

# SERVICE MANUAL

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**\* Refer to parts list on page 35.**

# KRF-V5050D/V5550D/V6050D/V7050D/X9050D

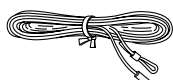
## CONTENTS / ACCESSORIES

### Contents

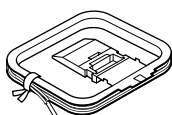
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### Accessories

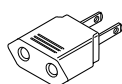
FM indoor antenna (1)  
(T90-0877-05)



AM loop antenna (1)  
(T90-0852-05)

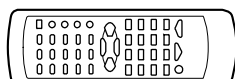


\*AC plug adaptor (1)  
(E03-0115-05)

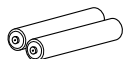


\* Use to adapt the plug on the power cord to the shape of the wall outlet.  
(Accessory only for regions where use is necessary.)

Remote control unit (1)



Batteries (R6/AA)



### Mdel name vs remote controller

MODEL	Destinations	Remote controller		
		Parts number	Model name	Battery cover
KRF-V5050D	Y	A70-1468-15	RC-R0511	A09-1178-08
KRF-V5050D-S	MIX	A70-1468-15	RC-R0511	A09-1178-08
KRF-V5050D	ET	A70-1469-05	RC-R0512	A09-1178-08
KRF-V5050DE	E3	A70-1469-05	RC-R0512	A09-1178-08
KRF-V5050D-S	E2T2	A70-1469-05	RC-R0512	A09-1178-08
KRF-V5550D-S	MY	A70-1507-05	RC-R0617	A09-1178-08
KRF-V6050D	Y	A70-1466-15	RC-R0615	A09-1178-08
KRF-V6050D-S	MIX	A70-1466-15	RC-R0615	A09-1178-08
KRF-V6050D	E	A70-1467-05	RC-R0616	A09-1178-08
KRF-V7050D	Y	A70-1464-15	RC-R0613	A09-1178-08
KRF-V7050D-S	MIX	A70-1464-15	RC-R0613	A09-1178-08
KRF-V7050D	ET	A70-1465-05	RC-R0614	A09-1178-08
KRF-X9050D	Y	A70-1480-05	RC-R0714	A09-1215-08
KRF-X9050D-S	MIX	A70-1480-05	RC-R0714	A09-1215-08
KRF-X9050D	ET	A70-1481-05	RC-R0715	A09-1215-08

### Cautions

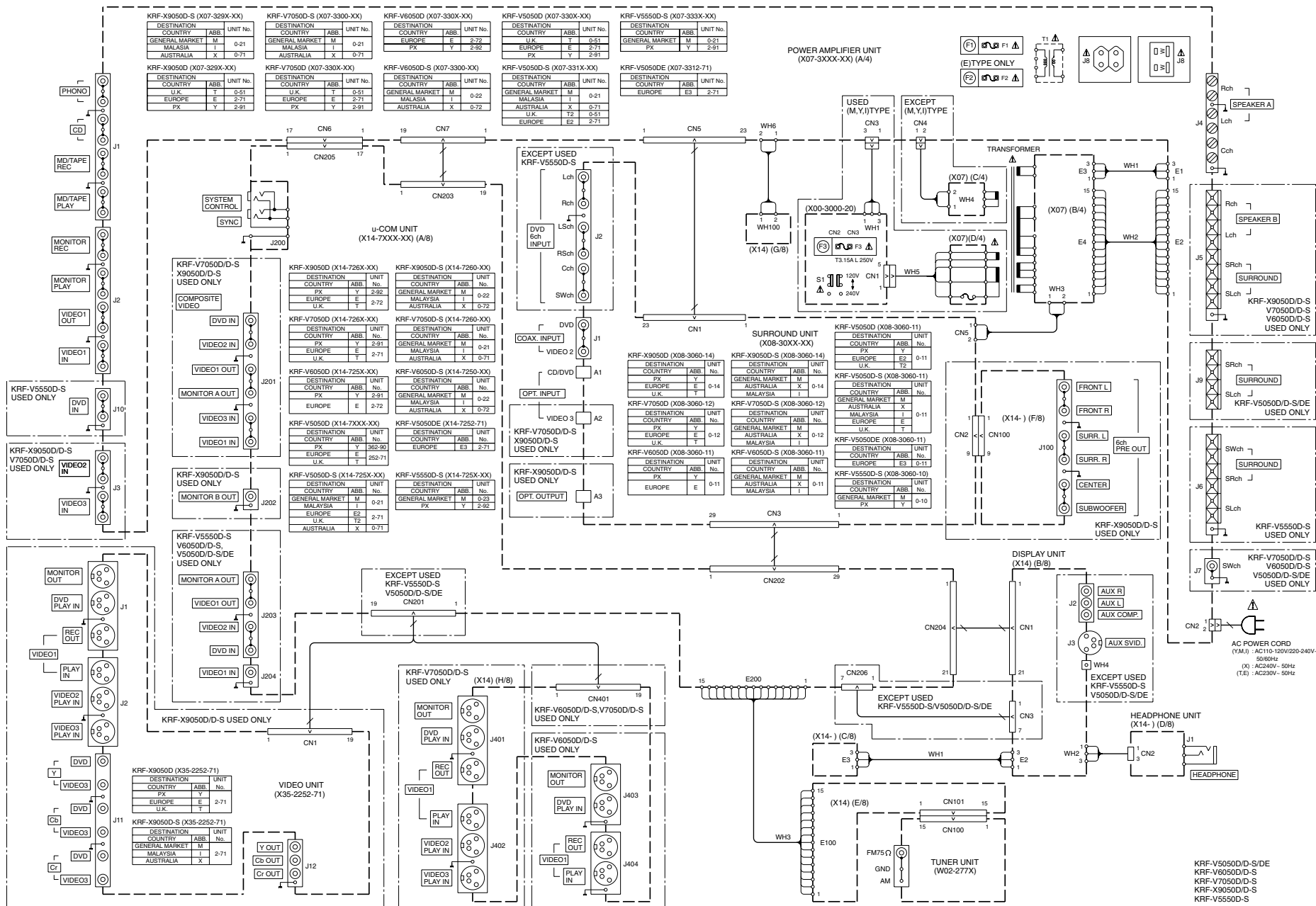
#### Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factors. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY key, press POWER key.

- Please note that resetting the microcomputer will clear the contents of the memory and returns the unit to the state it was in when it left

KRF-V5050D/V5550D/V6050D/V7050D/X9050D



# KRF-V5050D/V5550D/V6050D/V7050D/X9050D

## CIRCUIT DESCRIPTION

### 1. Initial and Backup Function

#### 1-1 Initial State

Below are set value if the microcomputer is initialized when reset:

##### (1) AMP function initialization

• POWER	POWER OFF (STANDBY)
• Input Selector	TUNER
• Preset device	None
• Visual output	VIDEO1
• Speaker A relay	ON
• Speaker B relay	OFF
• Volume	-66dB
• BASS	0dB
• TREBLE	0dB
• INPUT LEVEL	0dB
• SOURCE DIRECT	0dB
• MONITOR	0dB
• VIDEO2/MONITOR	VIDEO2
• MD/TAPE	TAPE
• RF BAND	BAND 1

##### (2) SURROUND function initialization

• LISTEN MODE	STEREO
• INPUT MODE	
CD/DVD	DIGITAL AUTO
VIDEO2	ANALOG
VIDEO3	ANALOG
DVD/6ch	DIGITAL AUTO
• SUBWOOFER	ON

• FRONT speaker size	LARGE
• CENTER speaker size	NORMAL
• SURROUND speaker size	NORMAL
• DISTANCE	Fch 3.0m / 10ft
Cch	3.0m / 10ft
Sch	1.5m / 5ft
• LEFT level	0dB
• RIGHT level	0dB
• CENTER level	0dB
• REAR (SL,SR) level	0dB
• SUBWOOFER level	0dB
• MIDNIGHT	OFF
• CINEMA EQ	OFF

##### (3) TUNER function initialization

• BAND	FM
• PRESET CHANNEL	" - - "
• Frequency receive	Each destination minimum value
K1/K2	FM : 87.50 MHz
	AM : 530 kHz
E1	FM : 87.50 MHz
	AM : 531 kHz
• AUTO MANUAL	AUTO

#### 1-2 Backup Function

When the AC power supply is turned off, the receiver micro-computer enters the backup mode. As a result, it will return to the last state before the AC OFF when the AC power supply is turned ON again

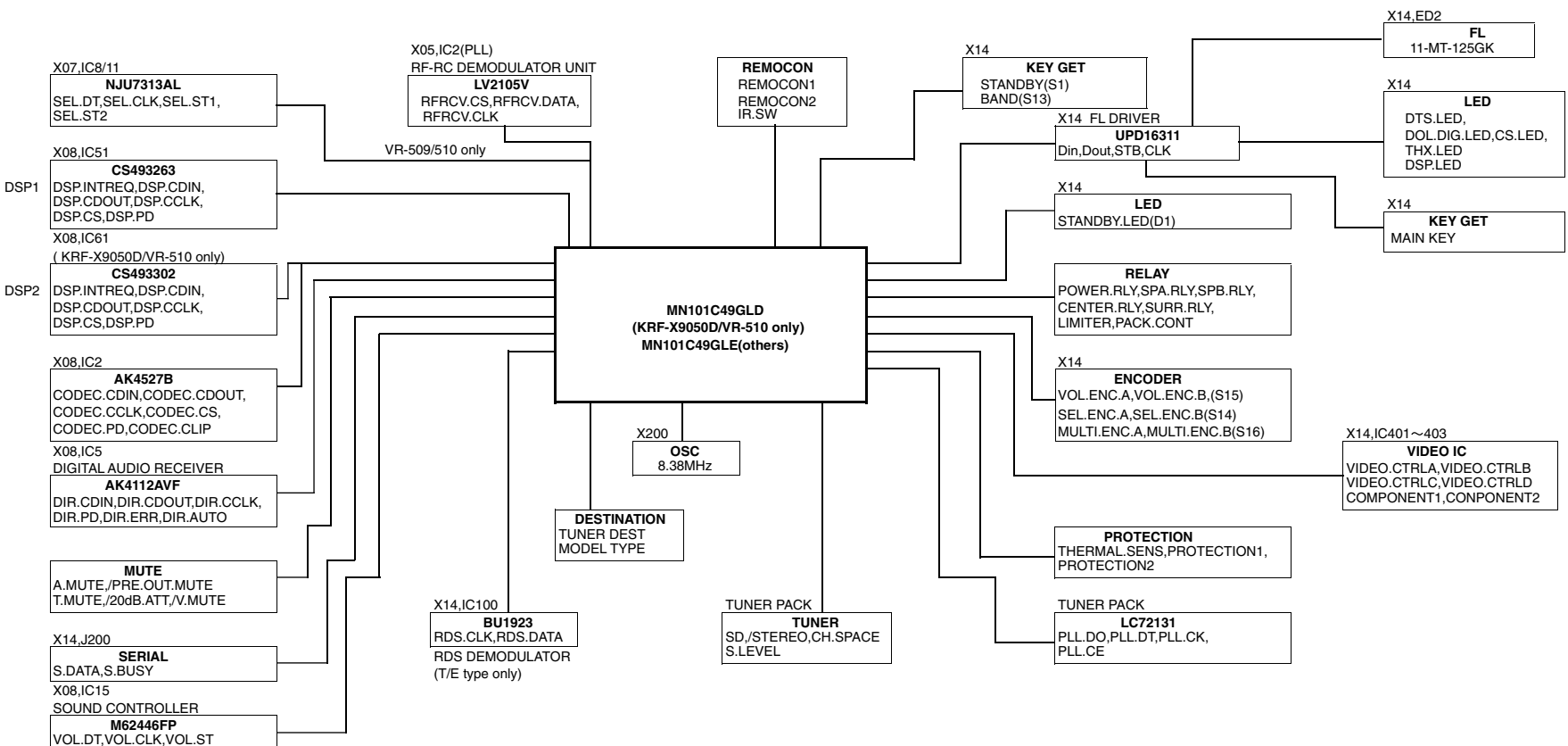
### 2. Destination List of Tuner

0 : Pull down, 1: Pull up

SET TYPE	TYPE	BAND	RECEIVING FREQUENCY RANGE	CHANNEL SPACE	IF	PLL	Tuner Destination Port			
							PORT3(68PIN) (CP205)	PORT2(67PIN) (W109)	PORT1(66PIN) (W105)	PORT0(65PIN) (W106)
K, P, R	K1 1700	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz	0	0	0	0
		AM	530kHz-1700kHz	10kHz	+450kHz	10kHz	0	0	0	0
Y, M, I, C, V	K2 1610	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz	0	0	0	1
		AM	530kHz-1610kHz	10kHz	+450kHz	10kHz	0	0	0	1
Y	K3 1610 RBDS	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz	0	0	1	0
		AM	530kHz-1610kHz	10kHz	+450kHz	10kHz	0	0	1	0
K, P	K4 1700 RBDS	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz	1	0	1	0
		AM	530kHz-1700kHz	10kHz	+450kHz	10kHz	1	0	1	0
Y, M, I, C, V, E, X, H	E1	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz	0	0	1	1
		AM	531kHz-1602kHz	9kHz	+450kHz	9kHz	0	0	1	1
T	E2 LW	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz	0	1	0	0
		MW	531kHz-1602kHz	9kHz	+450kHz	9kHz	0	1	0	0
		LW	153kHz-279kHz	9kHz	+450kHz	9kHz	0	1	0	0
E, T	E3 RDS	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz	0	1	0	1
		AM	531kHz-1602kHz	9kHz	+450kHz	9kHz	0	1	0	1
T	E4 LW RDS	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz	0	1	1	0
		MW	531kHz-1602kHz	9kHz	+450kHz	9kHz	0	1	1	0
		LW	153kHz-279kHz	9kHz	+450kHz	9kHz	0	1	1	0
Q	Q1 RDS	FM L	65.0MHz-74.0MHz	10kHz	+10.7MHz	5kHz	1	0	1	1
		FM H	87.5MHz-108.0MHz	50kHz	+10.7MHz	5kHz	1	0	1	1
		AM	531kHz-1602kHz	9kHz	+450kHz	9kHz	1	0	1	1
Q	Q2 RDS	FM L	65.0MHz-74.0MHz	10kHz	+10.7MHz	5kHz	1	1	0	0
		FM H	87.5MHz-108.0MHz	50kHz	+10.7MHz	5kHz	1	1	0	0
		MW	531kHz-1602kHz	9kHz	+450kHz	9kHz	1	1	0	0
		LW	153kHz-279kHz	9kHz	+450kHz	9kHz	1	1	0	0
Y, M, I, C, V	M	K2/E1 are decided by Tuner Destination Port 1 input. (0=K2 type 1=E1 type)					0	0	X	1
Y	Y RBDS	K3/E1 are decided by Tuner Destination Port 0 input. (0=K3 type 1=E1 type)					0	0	1	X

## CIRCUIT DESCRIPTION

### 3. Microprocessor: MN101C49GLE or MN101C49GLD(X14,IC200) 3-1 Microprocessor Periphery block diagram



# KRF-V5050D/V5550D/V6050D/V7050D/X9050D

## CIRCUIT DESCRIPTION

### 3-2 Pin Description of Microprocessor

Pin No.	Pin Name	I/O	Description
1	VREF	-	Connected to ground.
2	TH SENS	I	Protection signal detection port for thermal sensor.
3	PROT1	I	Protection signal detection port for over current.
4	PROT2	I	Protection signal detection port for over voltage.
5	S LEVEL	-	Detection port of RDS signal level.
6	KEY GET	I	A/D key input for band and standby.
7	CE2	I	Detection port of chip enable 2 for microprocessor.
8	CE1	I	Detection port of chip enable 1 for microprocessor.
9	DIG DET	I	Detection port of digital signal for DTS.
10	VREF	-	A/D reference voltage.
11	VDD	-	Power supply(+5v) for microprocessor.
12	OSC2	O	Main clock output(8.38MHz).
13	OSC1	I	Main clock input(8.38MHz).
14	VSS	-	Connected to ground.
15	XI	-	Connected to ground.
16	XO	-	Unused.
17	MMCD	-	Connected to ground.
18	DIR/CODEC DIN	O	Data output to DIR/CODEC.
19	DIR/CODEC DOUT	I	Data input port from DIR/CODEC.
20	DIR/CODEC CLK	O	Clock output to DIR/CODEC.
21	DSP DIN	O	Data output port to DSP.
22	DSP DOUT	I	Data input port from DSP.
23	DSP CLK	O	Clock output port to DSP.
24	DSP CE1	O	Chip enable 1 output to DSP.
25	DSP CE2	O	Chip enable 2 output to DSP.
26	REM I	I	Remote control signal input 1(Front panel).
27	REM O	I	Remote control signal input 1(Rear panel).
28	DIR ERR	I	Detection port for DIR ERROR signal.
29	RDS CLK	I	Clock input of RDS demodulator IC.
30	DPS IRQ1	I	Detection port 1for DSP INTREQ.
31	DPS IRQ2	I	Detection port 2 for DSP INTREQ.
32	NC	-	Unused.
33	RESET	I	Reset signal input for microprocessor.
34	DSP PD1	O	PD output port 1for DSP.
35	DSP PD2	O	PD output port 2 for DSP.
36	DIR PD	O	Power down mode port for DIR.
37	CODEC PD	O	Power down mode port for CDDEC.
38	CODEC CLIP	I	Overflow detection port for CODEC analog signal.
39	CODEC CE	O	Chip select for CODEC.
40	RDS DIN	I	Data input of RDS demodulator IC.
41	NC	-	Unused.
42	FL DIN	O	Data output to FL driver.
43	FL DOUT	I	Data input from FL driver.
44	FL CLK	O	Clock output to FL driver.
45	FL CE	O	CE output to FL driver.

# KRF-V5050D/V5550D/V6050D/V7050D/X9050D

## CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
46	TUNER DIN	O	Data output to PLL IC.
47	TUNER CLK	O	Clock output to PLL IC.
48	TUNER CE	O	Chip enable output to PLL IC.
49	TUNER DOUT	I	Data input from PLL IC.
50	TUNER MUTE	O	Mute signal output to PLL IC.
51	TUNER STEREO	I	Stereo signal input from PLL IC.
52	TUNER SD	I	SD signal input from PLL IC.
53	RFRCV CE	O	Chip select output to RF remote control receiving IC.
54	RFRCV DIN	O	Data output to RF remote control receiving IC.
55	RFRCV CLK	O	Clock output to RF remote control receiving IC.
56	S BUSY	I/O	Serial busy signal input/output.
57	S DATA	I/O	Serial data signal input/output.
58	LIMITER	O	Power control for A class.
59	IR SW	O	Switching port of remote control signal.
60	DIR AUTO	I	Non PCM detect port.
61~63	MODEL T0~T3	I	Discrimination port for model type.
64	CH SPACE	I	Discrimination port for channel space.
65~68	TUNER DO~D3	I	Discrimination port(D0~D3) for tuner destination.
69	MULTI CW	I	Encoder (Multi control) upward detection.
70	MULTI CCW	I	Encoder (Multi control) downward detection.
71	SEL CW	I	Encoder (Selector))clockwise detection.
72	SEL CCW	I	Encoder (Selector)) counterclockwise detection.
73	VOL. CW	I	Encoder (Vol.)clockwise detection.
74	VOL.CCW	I	Encoder (Vol.) counterclockwise detection.
75	SP. A RLY	O	Relay control for A speaker.
76	CNT/SUB W RELAY	O	Relay control for center and sub speakers.
77	SP. B RLY	O	Relay control for B speaker.
78	SUB W	-	Unused.
79	SURR.RLY	O	Relay control for surround speaker.
80	PWR RLY	O	Control port of power relay.
81	PACK CONT.	O	Power pack control.
82	STANDBY RLY	O	Standby relay control.
83	SURR.MUTE	I	Mute control for surround.
84	20dB ATT.	O	20dB attenuater control.
85	A. MUTE	O	Audio mute control.
86	COMP 1	O	Video component switch control.
87	SEL DIN	O	Data output to selector IC(X08,IC12/14).
88~91	V. CTL A~D	O	Video switch control.
92	SEL. DIN	O	Data output to selector IC(X07,IC8/11).
93	SEL. CLK	O	Clock output to selector IC(X07,IC8/11).
94	SEL. ST1	O	Strobe 1 output to selector IC(X07,IC8).
95	DAVSS	-	Connected to ground.
96	SEL. ST 2	O	Strobe 2 output to selector IC(X07,IC11).
97	VOL. CE	O	Chip enable output to vol. IC (X08,IC15).
98	VOL. CLK	O	Clock output to vol. IC (X08,IC15).
99	V. MUTE	O	Mute control to video selector IC (X14,IC401/402).
100	DAVDD	-	+5V power supply.

## CIRCUIT DESCRIPTION

### 4. AK4112AVF u-com interface port

Pin Name	Pin No.	I/O	Function
PD	7	I	Power Down Mode Pin When "L", the AK4112AVF is power down and reset.
AUTO	5	O	Non PCM Detect Pin "L":No detect, "H":Detect
FS96	17	O	96kHz Sampling Detect Pin "H":fs=88.2kHz or more, "L":fs=54kHz or less.
ERF	18	O	Unlock & Parity Error Output Pin "L":No Error, "H":Error
CSN	25	I	Chip Select pin in Serial Mode
CCLK	26	I	Control Data Clock Pin in Serial Mode
CDTI	27	I	Control Data Input Pin in Serial Mode
CDTO	28	O	Control Data Output Pin in Serial

### 5. AK4527B u-com interface port

Pin Name	Pin No.	I/O	Function
PDN	17	I	Power Down & Reset Pin
OVF	33	O	Analog Overflow Detect Pin
CSN	41	I	Chip Select Pin
CCLK	42	I	Control Data Clock Pin
CDTI	43	I	Control Data Input Pin

## 6. Test Mode

### 6-1 Entering the Test Mode

- While pressing the "BAND" key, plug the power cord into AC wall outlet.

### 6-2 Cancelling the Test Mode

- Initialized and cancel the test mode if pulling out the power code.

### 6-3 Contents of the Test Mode

#### 6-3-1 Pch CALL UP/DOWN

Key	Function
DIMMER	Pch CALL UP 
INPUT MODE	Pch CALL DOWN 

#### 6-3-2 10 Steps Switching of P ch Call

Key	Function
SET UP	Preset Operation

#### 6-3-3 TUNER mute on/off

Key	Function
LISTEN MODE	TUNER mute on/off

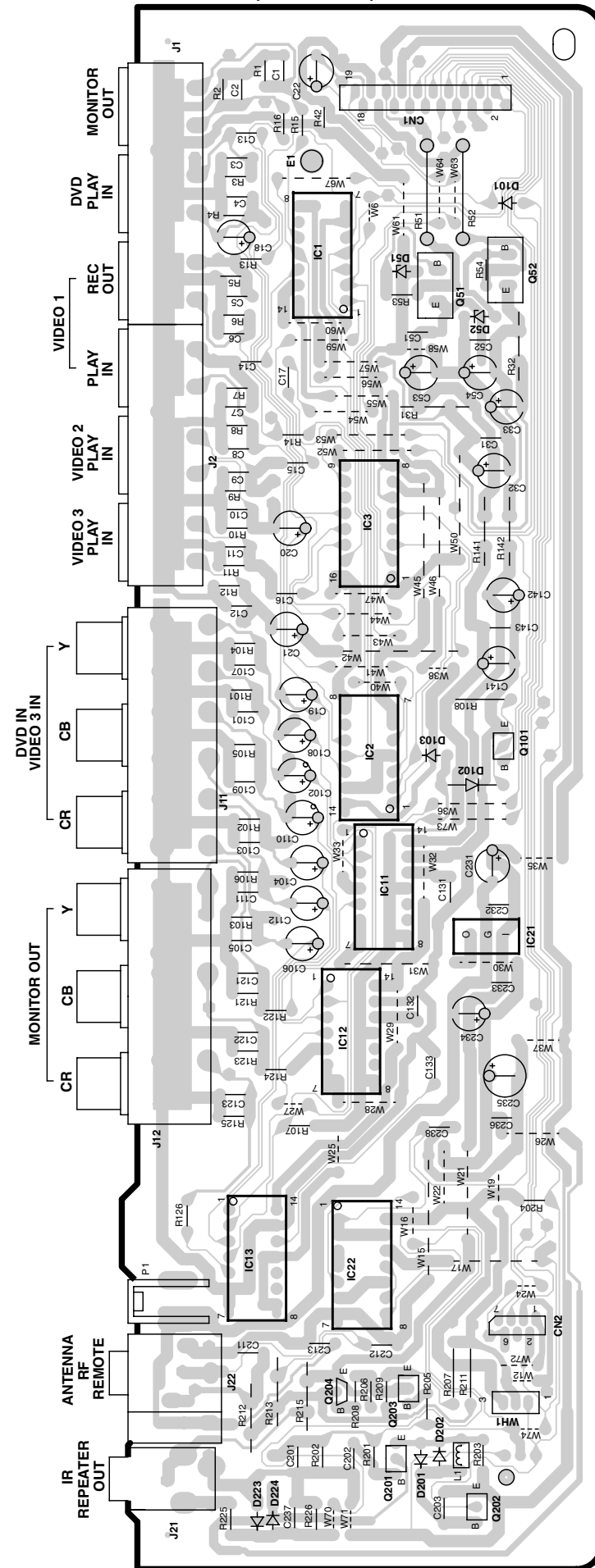
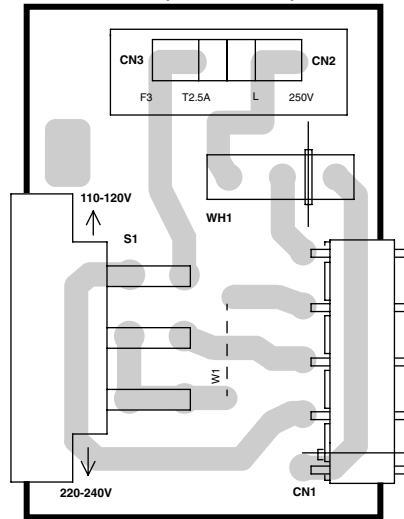
#### 6-3-4 Key Operation

- The following operation is available during the all FL lighting up mode only.(only VR-507/509/510)

Operation Keys	Display	Function
SOUND	Normal Indication	RF receiving frequency is made 422MHz for VR-509/510 and 418MHz for VR-507.
LISTEN MODE	FRONT IR	FRONT IR is enabled and remote control is disabled.
SOURCE DIRECT	RF BAND 2	RF receiving frequency is made 428MHz for VR-509/510.

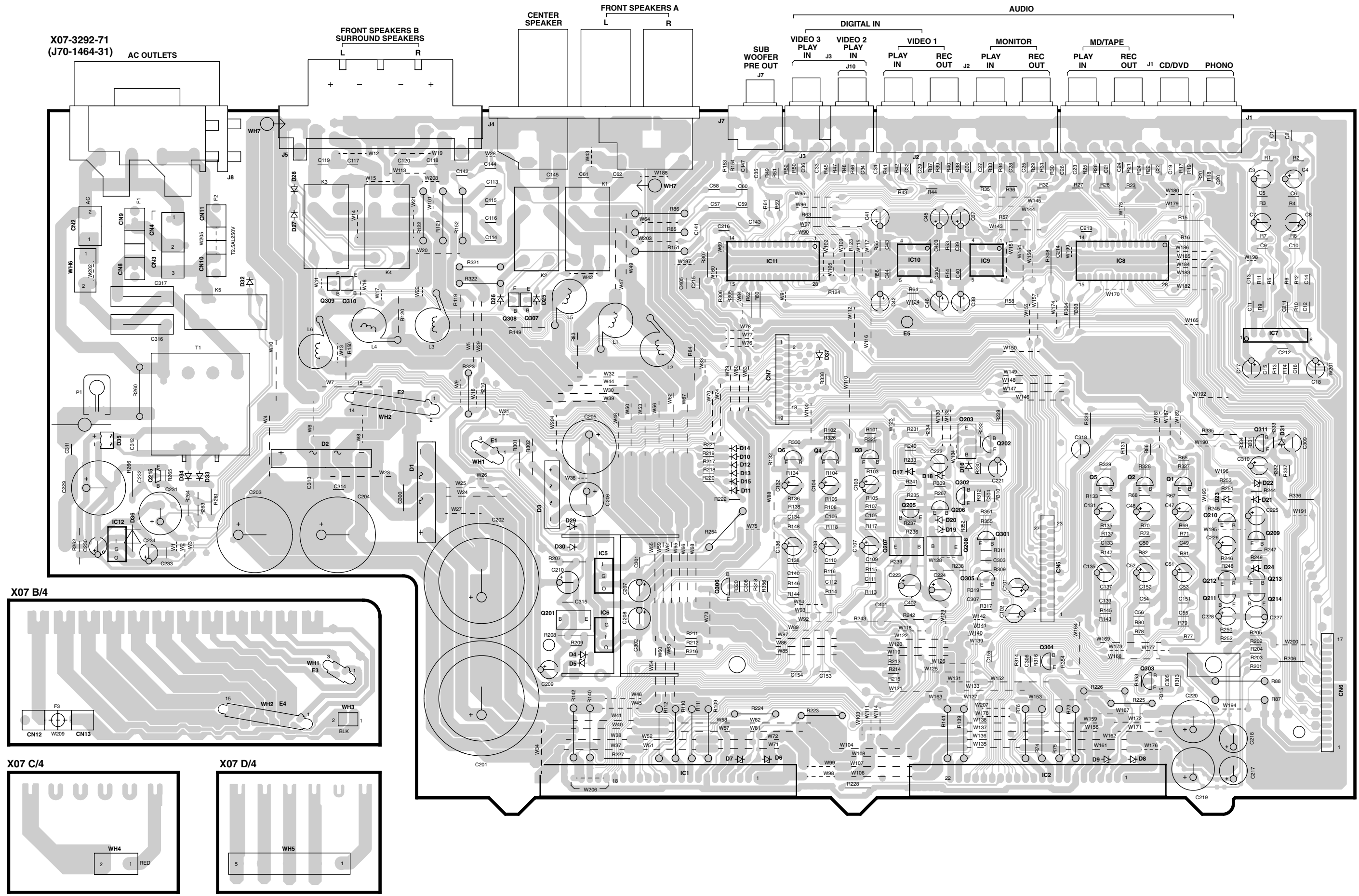


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2  
3  
4  
5  
6  
7

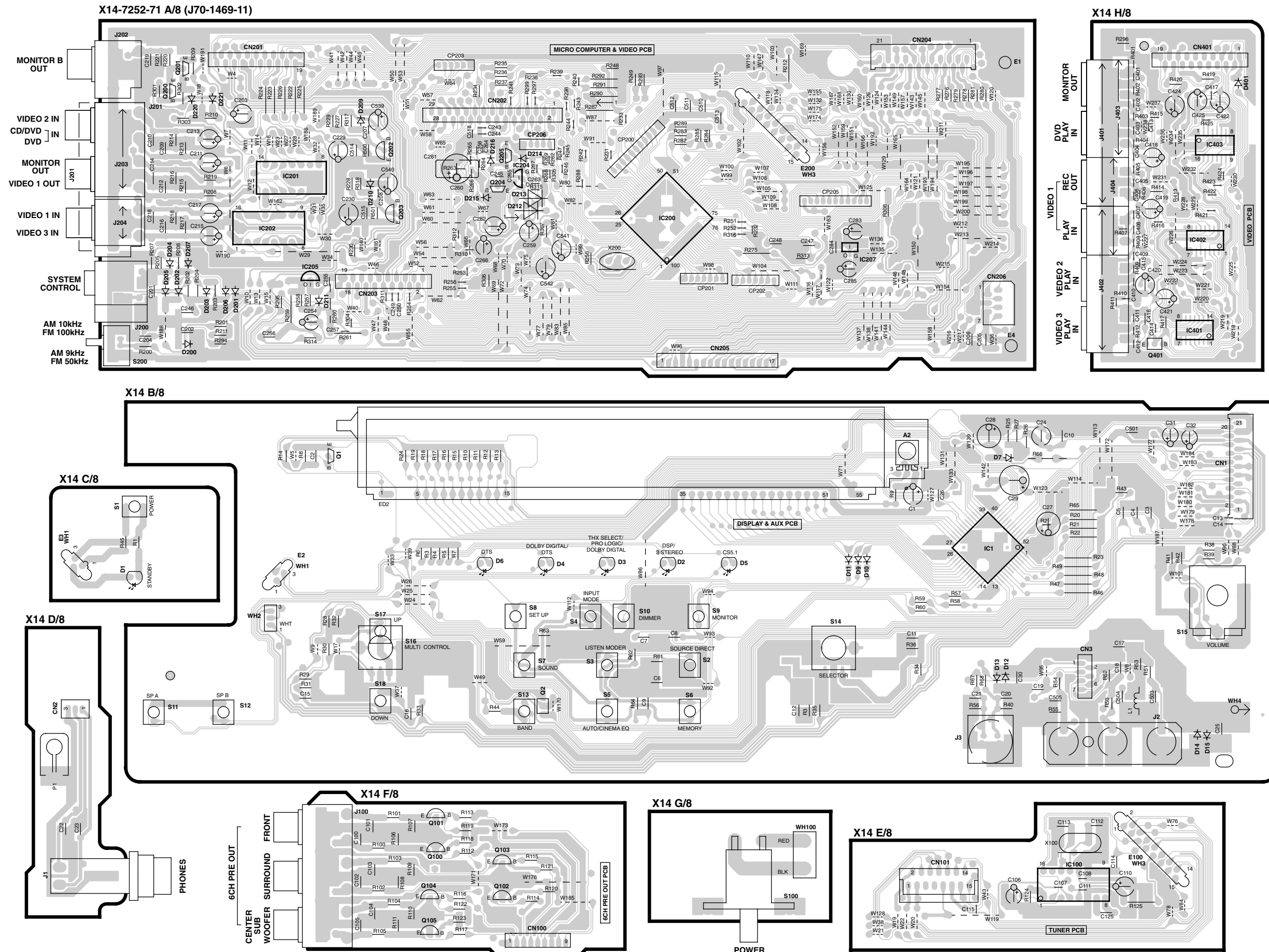


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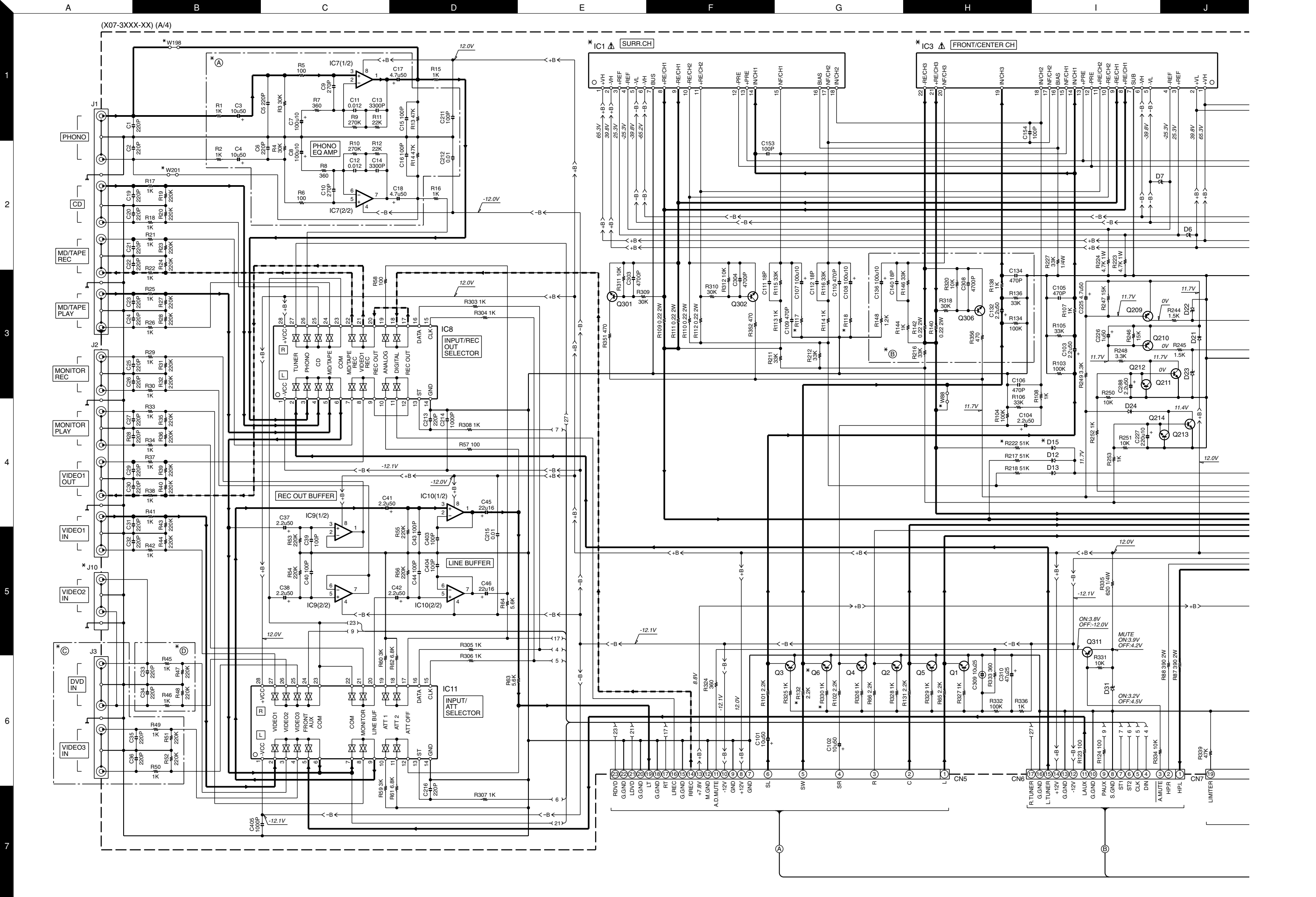
PC BOARD (Component side view)



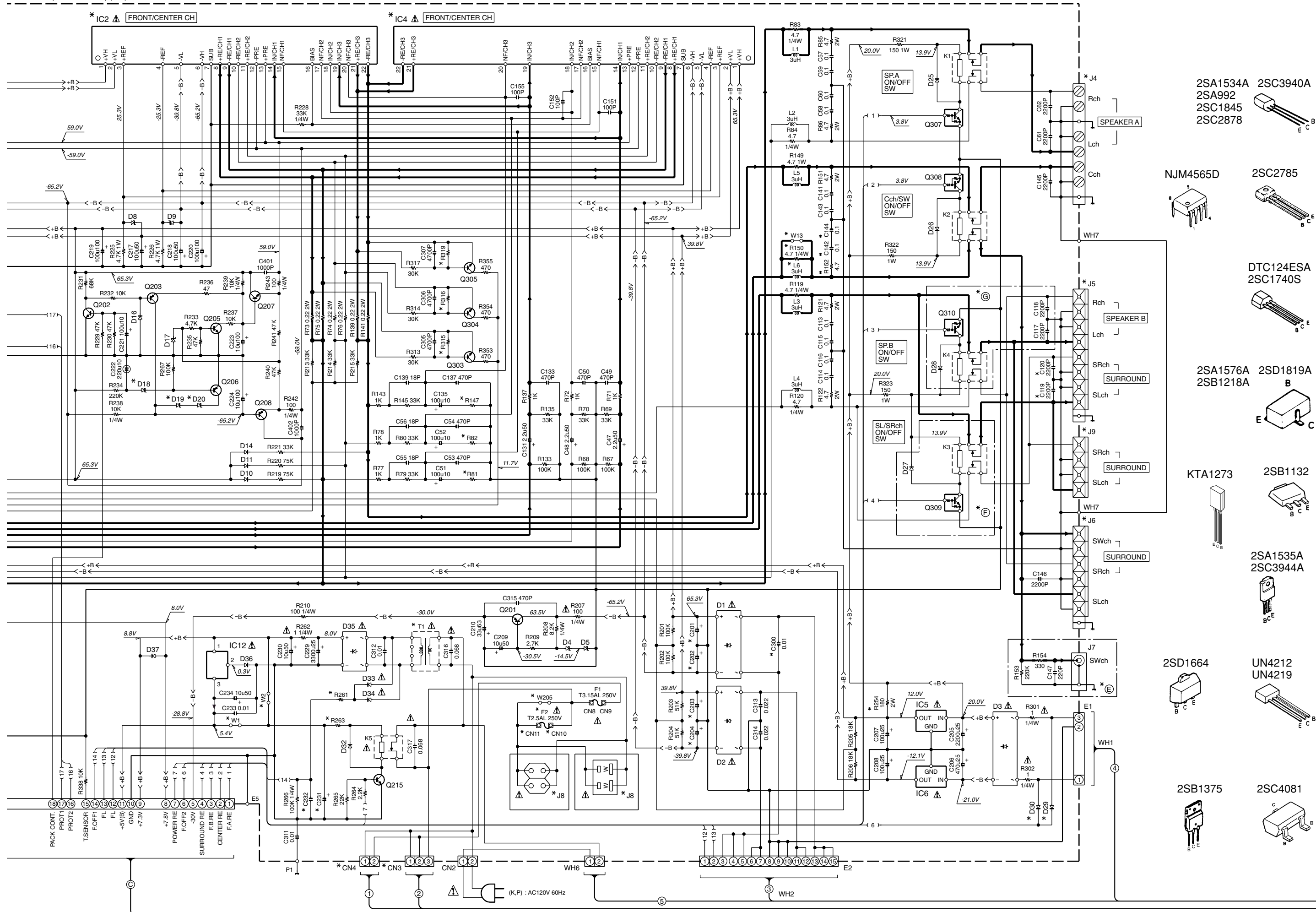
# PC BOARD (Component side view)



Refer to the schematic diagram for the value of resistors and capacitors.







KRF-X9050D-S (X07-329X-XX)

DESTINATION		UNIT No.	A	C	D	F	G	B	E	C119, 120	C142, 144, 146	C201,202	C203,204	C231, 300	C232	R81,82,117, 118,147	R132,146,148, 150,152,222,330	R254	R261	R263	R315, 316,319	D15	D18	D19	D20	D29, 30	CN3	CN4	CN10, 11	F2	J4	J5	J6,9, 10	J8	Q6	W1	W2	W13,88, 198,201	W205	IC1	IC2	IC3,4	L6	T1
COUNTRY	ABB.																																											
GENERAL MARKET	M	0-21	YES	NO	YES	NO	C90-3945-05	C90-3946-05	YES	0.033	1.2K	NO	YES	20K 1/4W 180K 1/4W	2.2 1/4W 180 1/4W	9.1K	NO	MTZJ8.2(B) or RD8.2ES(B)	MTZJ15(B) or RD15ES(B)	MTZJ20(B) or RD20ES(B)	YES	YES	NO	NO	NO	E70-0049-05	YES	NO	E03-0149-05 E03-0325-05	NO	YES	NO	NO	NO	YES	STK412-040T or STK412-040N	STK413-040T	NO	NO	L07-2805-05 L07-2758-05				
MALASIA	I																																											
AUSTRALIA	X	0-71																																										

KRF-X9050D (X07-329X-XX)

DESTINATION		UNIT No.	A	C	D	F	G	B	E	C119, 120	C142,144, 146,300	C201,202	C203,204	C231	C232	R81,82,117, 118,147	R132,146,148, 150,152,222,330	R254	R261	R263	R315, 316,319	D15	D18	D19	D20	D29, 30	CN3	CN4	CN10, 11	F2	J4	J5	J6,9, 10	J8	Q6	W1	W2	W13,88, 198,201	W205	IC1	IC2	IC3,4	L6	T1				
COUNTRY	ABB.																																															
U.K.	T	0-51	YES					NO	YES	NO	YES	C90-3945-05	C90-3946-05	NO	0.047	1.2K	NO	YES	120K 1/4W	150 1/4W	9.1K	NO	MTZJ8.2(B) or RD8.2ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ16(B) or RD16ES(B)	NO	NO	YES	NO	YES	E70-0049-05	YES	NO	E03-0310-05 E03-0149-05 E03-0148-05	NO	NO	YES	NO	NO	YES	NO	YES	STK412-040T or STK412-040N	STK413-040T	NO	NO	L07-2761-05 L07-2805-05
EUROPE	E	2-71																																														
PX	Y	2-91																																														

KRF-V7050D-S (X07-330X-XX)

DESTINATION		UNIT No.	A	C	D	E	F	G	B	C119, 120	C142,144, 146	C201,202	C203,204	C231, 300	C232	R81,82,117, 118,147	R132, 330	R146,148,150, 152,222,254	R261	R263	R315, 316,319	D15	D18	D19	D20	D29, 30	CN3	CN4	CN10, 11	F2	J4	J5	J6,9, 10	J8	Q6	W1	W2	W13,88, 205	W198, 201	IC1	IC2	IC3,4	L6	T1
COUNTRY	ABB.																																											
GENERAL MARKET	M	0-21	YES	NO	YES	NO	C90-3982-05	C90-3983-05	YES	0.033	1.1K	YES	NO	20K 1/4W	2.2 1/4W	10K	NO	MTZJ8.2(B) or RD8.2ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ16(B) or RD16ES(B)	YES	YES	NO	NO	NO	E70-0049-05	YES	NO	E03-0149-05	YES	YES	NO	YES	NO	YES	NO	STK412-020A	STK413-020A	NO	NO	L07-2805-05			
MALASIA	I																																											
AUSTRALIA	X	0-71																																								NO	0.1	180K 1/4W

KRF-V7050D (X07-330X-XX)

DESTINATION		UNIT No.	A	C	D	E	F	G	B	C119, 120	C142,144, 146,300	C201,202	C203,204	C231	C232	R81,82,117, 118,147	R132, 330	R146,148,150, 152,222,254	R261	R263	R315, 316,319	D15	D18	D19	D20	D29, 30	CN3	CN4	CN10, 11	F2	J4	J5	J6,9, 10	J8	Q6	W1	W2	W13, 88	W198, 201	W205	IC1	IC2	IC3,4	L6	T1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
COUNTRY	ABB.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
U.K.	T	0-51	YES						NO	YES	NO	C90-3984-05	C90-3985-05	NO	0.047	1.2K	YES	NO	120K 1/4W	150 1/4W	10K	NO	MTZJ6.8(B) or RD6.8ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ15(B) or RD15ES(B)	NO	NO	YES	NO	YES	E70-0049-05	YES	NO	E03-0310-05	YES	NO	YES	NO	YES	YES	NO	YES	NO	YES	NO	STK412-020A	STK413-020A	NO	NO	L07-2761-05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
EUROPE	E	2-71										C90-3982-05	C90-3983-05	YES	0.033	1.1K			20K 1/4W	2.2 1/4W			MTZJ8.2(B) or RD8.2ES(B)		MTZJ18(B) or RD18ES(B)	YES	YES	NO	NO	NO				E03-0149-05			E03-0148-05	E03-0149-05	YES											NO	YES	L07-2805-05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
PX	Y	2-91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

KRF-V6050D (X07-330X-XX)

DESTINATION		UNIT No.	A E F G				B C D				C119, 120	C142, 144, 146, 300	C201,202	C203,204	C231	C232	R81,82,117, 118,147	R132, 330	R146,148,150, 152,222,254	R261	R263	R315, 316,319	D15	D18	D19	D20	D29, 30	CN3	CN4	CN10, 11	F2	J4	J5	J6,9, 10	J8	Q6	W1, 205	W2	W13, 88	W198, 201	IC1	IC2	IC3,4	L6	T1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
COUNTRY	ABB.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
EUROPE	E	2-72	YES	NO	YES	NO	YES	NO	C90-3984-05	C90-3985-05	NO	0.047	1.2K	YES	NO	120K 1/4W	20K 1/4W	150 1/4W	2.2 1/4W	10K	NO	MTZJ6.8(B) or RD6.8ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ15(B) or RD15ES(B)	MTZJ18(B) or RD18ES(B)	NO	NO	YES	YES	NO	YES	E70-0049-05	YES	NO	E03-0149-05 E03-0148-05	YES	NO	YES	NO	YES	NO	NO	STK412-020A	STK413-020A	NO	NO	L07-2761-05 L07-2805-05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
PX	Y	2-92							C90-3982-05	C90-3983-05	YES	0.033	1.1K													C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05						C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05	YES	0.033	1.1K	C90-3982-05	C90-3983-05

KRF-V6050D-S (X07-330X-XX)

DESTINATION		UNIT No.	A	E	F	G	B	C	D	C119, 120	C142, 144, 146	C201,202	C203,204	C231, 300	C232	R81,82,117, 118,147	R132, 330	R146,148,150, 152,222,254	R261	R263	R315, 316,319	D15	D18	D19	D20	D29, 30	CN3	CN4	CN10, 11	F2	J4	J5	J6,9, 10	J8	Q6	W1	W2	W13,88, 205	W198, 201	IC1	IC2	IC3,4	L6	T1
COUNTRY	ABB.																																											
GENERAL MARKET	M	0-22	YES	NO	YES	NO	C90-3982-05	C90-3983-05	YES	0.033	1.1K	YES	NO	20K 1/4W	2.2 1/4W	10K	NO	MTZJ8.2(B) or RD8.2ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ16(B) or RD16ES(B)	YES	YES	NO	NO	NO	E70-0049-05	YES	NO	E03-0149-05	YES	YES	NO	YES	NO	STK412-020A	STK413-020A	NO	NO	L07-2805-05					
MALASIA	I																																											
AUSTRALIA	X																																							0-72	NO	0.1	180K 1/4W	180 1/4W

KRF-V5050D (X07-330X-XX)

DESTINATION		UNIT No.	A	E	F	B	C	D	G	C119, 120	C142.14, 146.300	C201.202	C203.204	C231	C232	R81.82,117, 118,147	R132, 330	R146.148,150, 152,222,254	R261	R263	R315, 316,319	D15	D18	D19	D20	D29, 30	CN3	CN4	CN10, 11	F2	J4	J5,6, 10	J8	J9	Q6	W1	W2	W13, 88	W198, 201	W205	IC1	IC2	IC3,4	L6	T1		
COUNTRY	ABB.																																														
U.K.	T	0-51	YES			NO		YES	NO	C90-3984-05	C90-3985-05	NO	0.047	1.2K		YES	NO	120K 1/4W	150 1/4W	10K	NO	MTZJ6.8(B) or RD6.8ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ15(B) or RD15ES(B)	NO	NO	YES	NO	YES	E70-0122-05	NO		E03-0310-05 E03-0149-05 E03-0148-05	YES	YES	NO	YES	NO	YES	NO	YES	NO	STK412-020A	STK413-020A	NO	NO	L07-2761-05 L07-2805-05
EUROPE	E	2-71																																													
PX	Y	2-91																																													

KRF-V5050D-S (X07-331X-XX)

DESTINATION		UNIT No.	A	E	F	B	C	D	G	C119, 120	C142, 144,146	C201,202	C203,204	C231, 300	C232	R81,82,117, 118,147	R132, 330	R146,148,150, 152,222,254	R261	R263	R315, 316,319	D15	D18	D19	D20	D29, 30	CN3	CN4	CN10, 11	F2	J4	J5,6, 10	J8	J9	Q6	W1	W2	W13, 88	W198, 201	W205	IC1	IC2	IC3,4	L6	T1
COUNTRY	ABB.																																												
GENERAL MARKET	M	0-21	YES		NO	YES	NO	YES	NO	C90-3982-05	C90-3983-05	YES	0.033	1.1K	YES	NO	20K 1/4W	2.2 1/4W	10K	NO	MTZJ8.2(B) or RD8.2ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ16(B) or RD16ES(B)	YES	YES	NO	NO	E70-0122-05	NO	E03-0149-05	YES	YES	YES	NO	YES	NO	YES	STK412-020A	STK413-020A	NO	NO	L07-2805-05			
MALASIA	I																																												
AUSTRALIA	X																																										0-71		
U.K.	T2																																										0-51		
EUROPE	E2	2-71								C90-3984-05	C90-3985-05	NO	0.047	1.2K			120K 1/4W	150 1/4W					MTZJ6.8(B) or RD6.8ES(B)		MTZJ15(B) or RD15ES(B)	NO	NO	YES	YES	YES			NO	YES	NO	YES	NO	YES	NO	YES	L07-2781-05				

KRF-V5050D-E (X07-3312-71)

DESTINATION		UNIT No.	A	E	F	B	C	D	G	C119, 120	C142,144, 146,231,300	C201,202	C203,204	C232	R81,82,117, 118,147	R132, 330	R146,148,150, 152,222,254	R261	R263	R315, 316,319	D15, 29,30	D18	D19	D20	CN3	CN4, 10,11	F2	J4	J5,6, 10	J8	J9	Q6	W1,198, 201,205	W2, 13,88	IC1	IC2	IC3,4	L6	T1
COUNTRY	ABB.																																						
EUROPE	E3	2-71	YES			NO				YES	NO	C90-3984-05	C90-3985-05	0.047	1.2K	YES	NO	120K 1/4W	150 1/4W	10K	NO	MTZJ6.8(B) or RD6.8ES(B)	MTZJ16(B) or RD16ES(B)	MTZJ15(B) or RD15ES(B)	NO	YES	YES	E70-0122-05	NO	E03-0148-05	YES	YES	NO	YES	STK412-020A	STK413-020A	NO	NO	L07-2761-05

KRF-V5550D-S (X07-333X-XX)

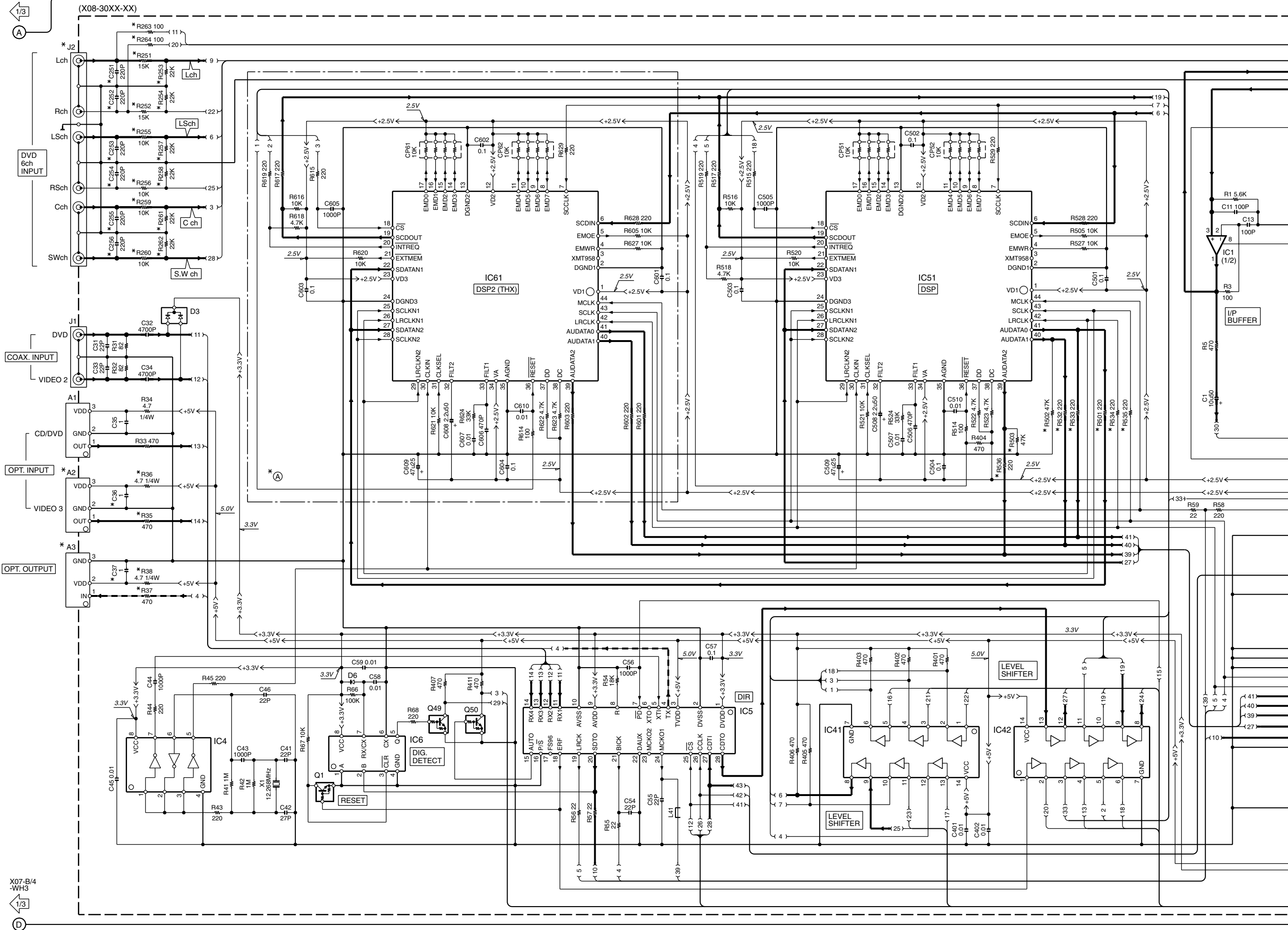
DESTINATION	UNIT No.	A	C	E	F	B	D	G	C119, 120	C142, 144, 146,231,300	C201,202	C203,204	C232	R81,82,117, 118,147	R132,146,
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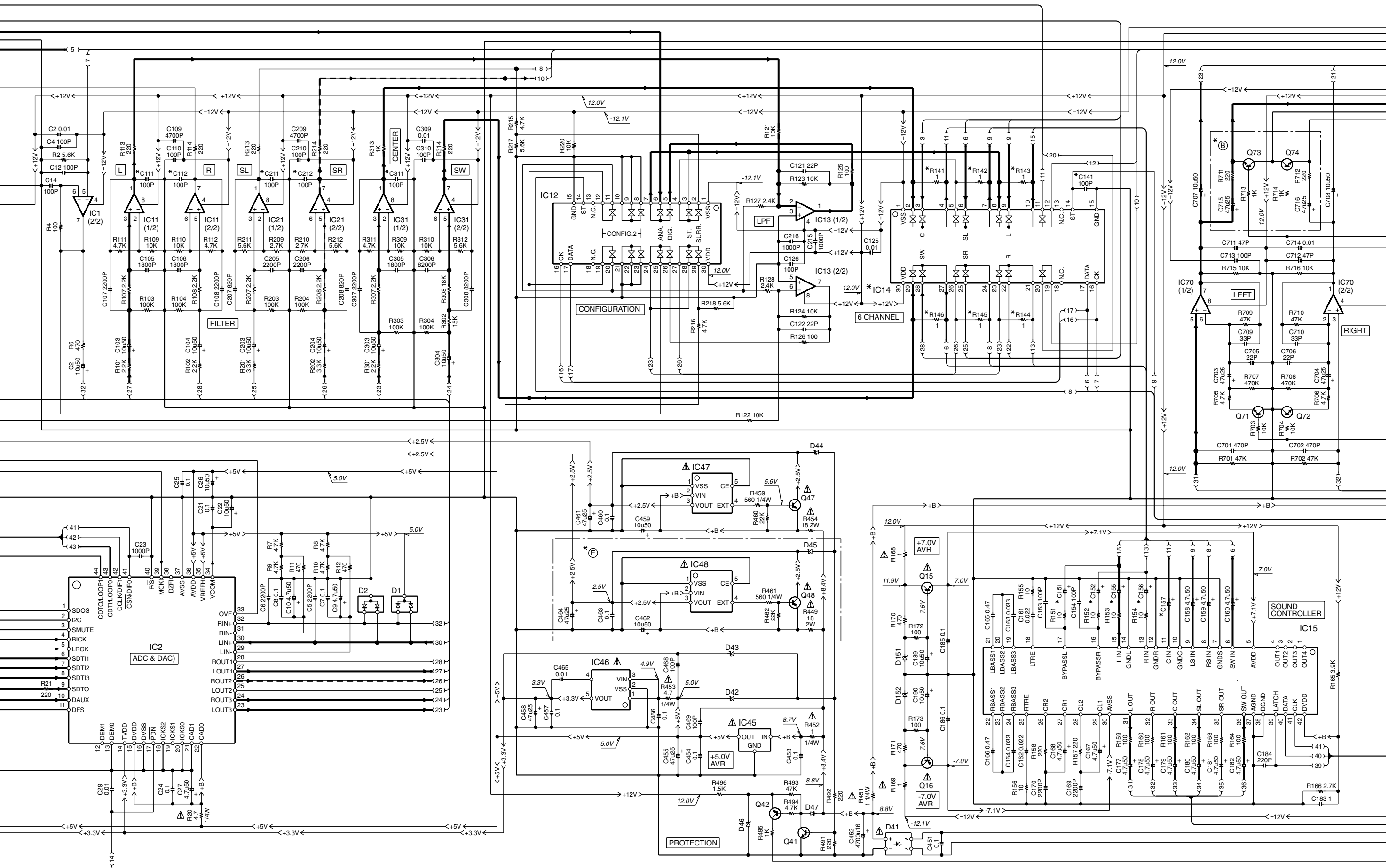
X07-A/4  
-CN5

1/3

X07-B/4  
-WH3

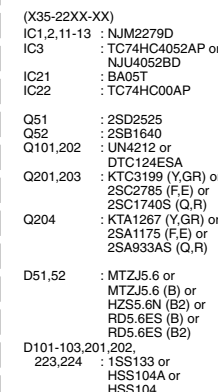
1/3





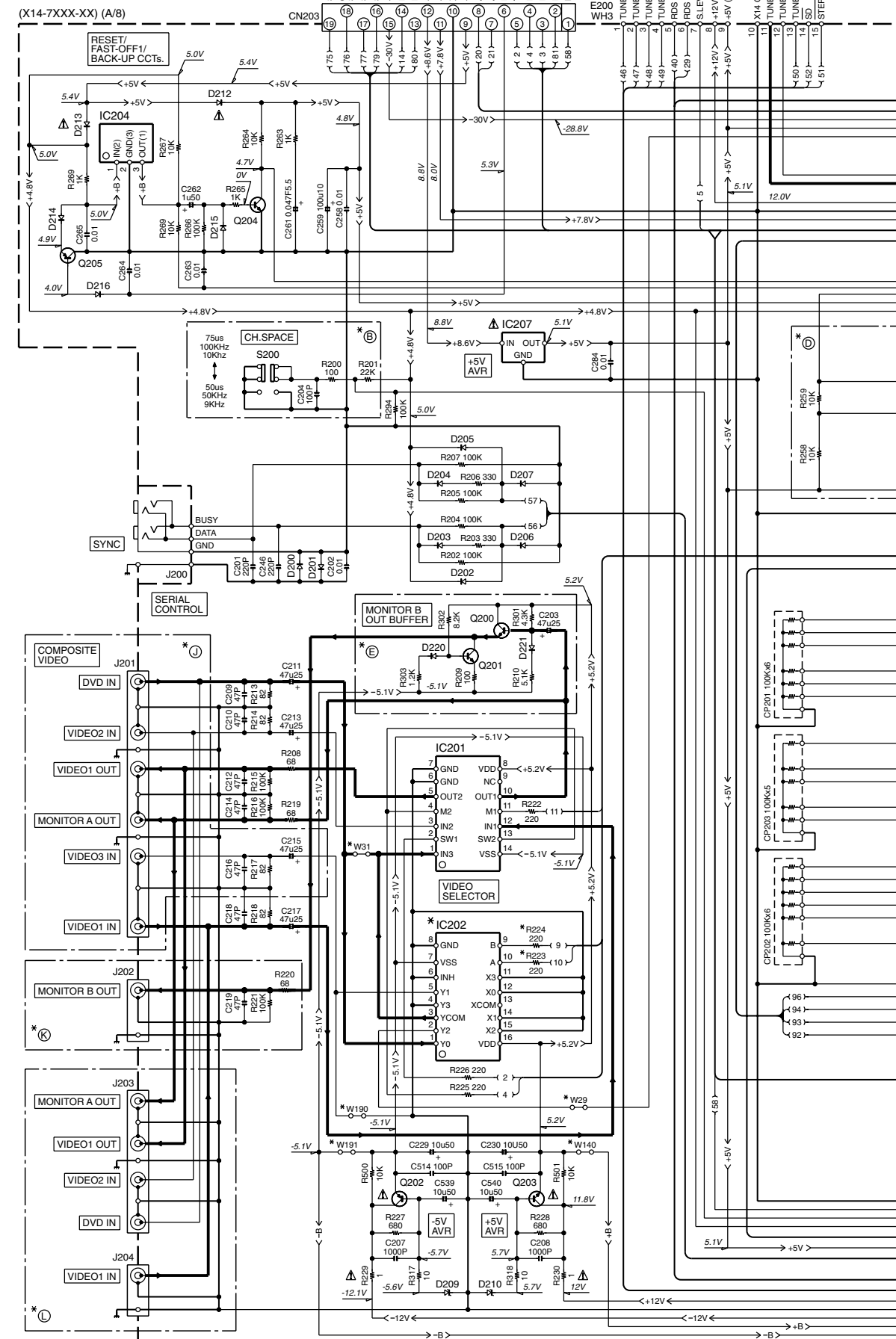


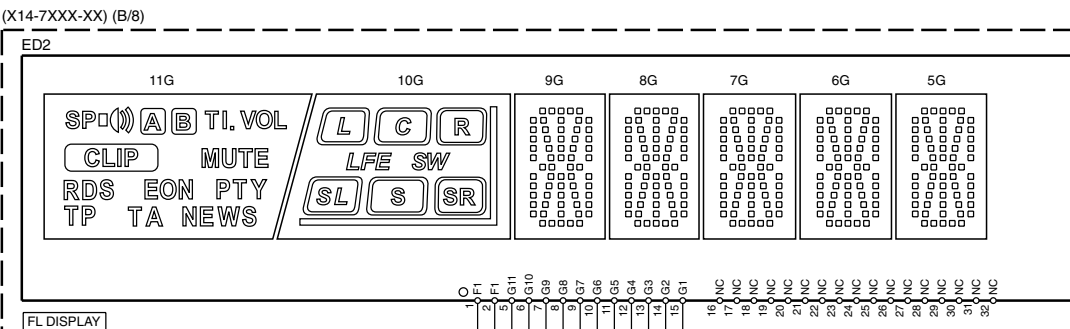
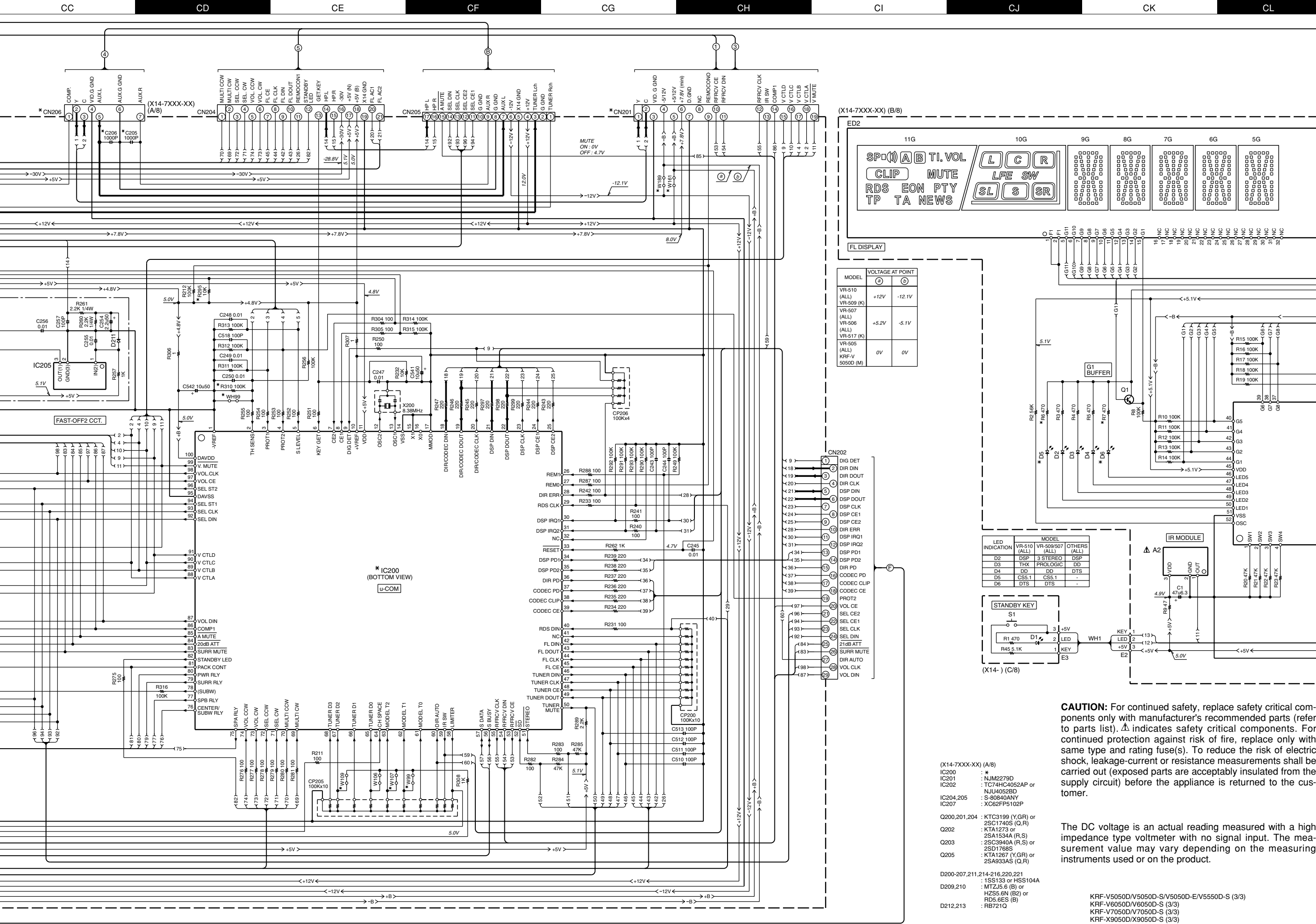




X08-CN2  
← 2/3  
E

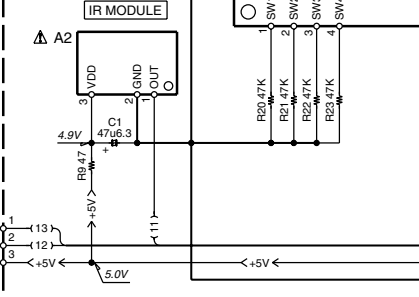
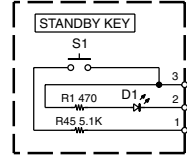
X08-CN3  
← 2/3  
F





MODEL	VOLTAGE AT POINT	(A)	(B)
VR-510 (ALL)	+12V	+12.1V	
VR-509 (K)			
VR-507 (ALL)	+5.2V	-5.1V	
VR-506 (ALL)			
VR-517 (K)			
VR-505 (ALL)	0V	0V	
KRF-V 5050D (M)			

LED INDICATION	MODEL	VR-510 (ALL)	VR-509/507 (ALL)	OTHERS (ALL)
D2	DSP	3	STEREO	DSP
D3	THX	PROLOGIC	DD	DD
D4	DD	DD	DTS	DTS
D5	CS5.1	CS5.1	-	-
D6	DTS	DTS	-	-



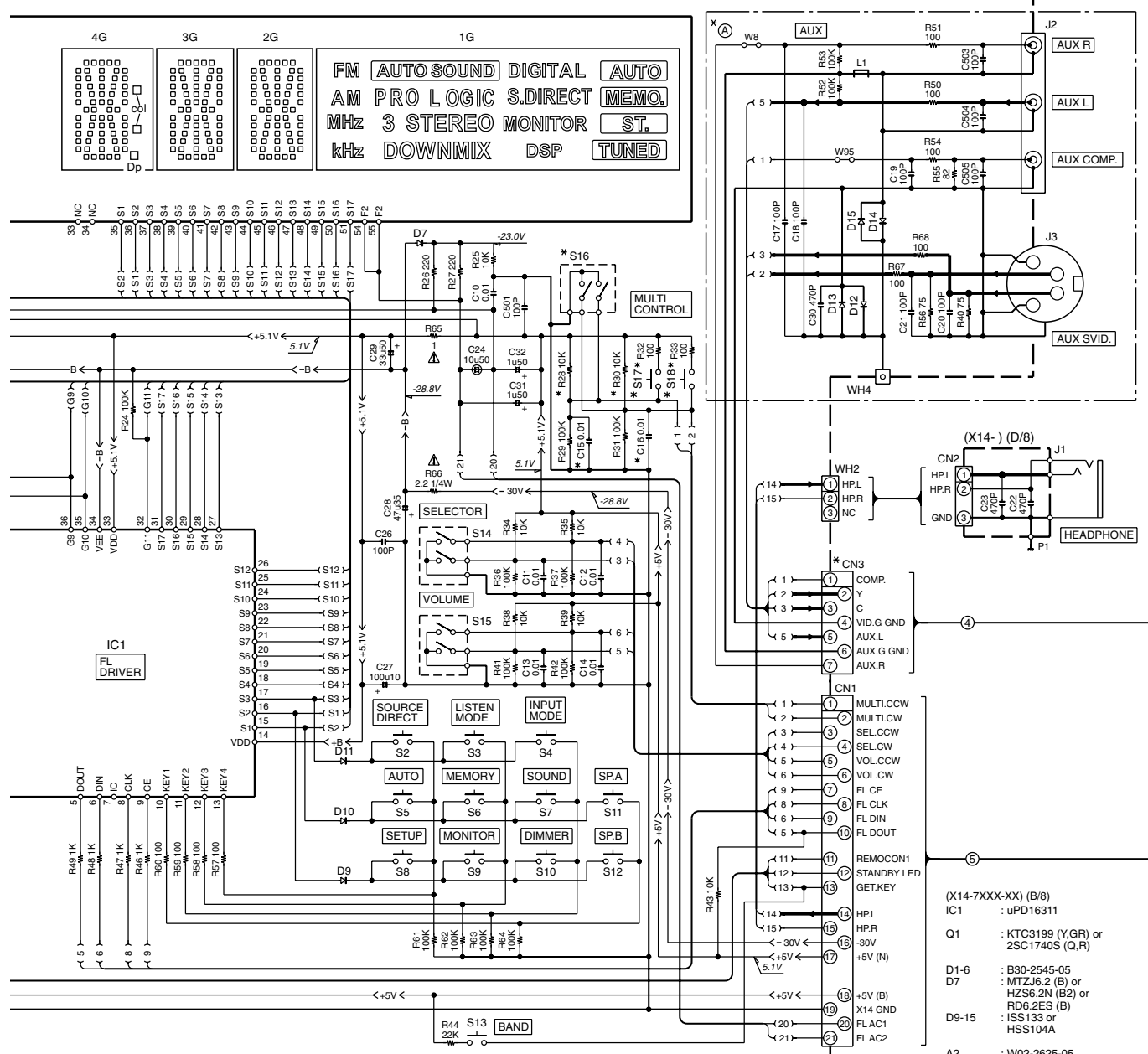
**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

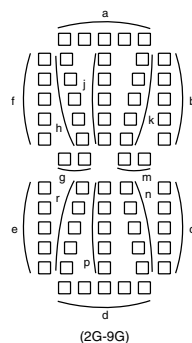
- (X14-7XXX-XX) (A/B)
- IC200 : \*
  - IC201 : NJM2279D
  - IC202 : TC74HC4052AP or NJU4052BD
  - IC204,205 : S-80840ANY
  - IC207 : XC62FP5102P
  - Q200,201,204 : KTC3199 (Y,GR) or 2SC1740S (Q,R)
  - Q202 : KTA1273 or 2SA1534A (R,S)
  - Q203 : 2SC3940A (R,S) or 2SD1768S
  - Q205 : KTA1267 (Y,GR) or 2SA933AS (Q,R)
  - D200-207,211,214-216,220,221 : 1SS133 or HSS104A
  - D209,210 : MTZJ5.6 (B) or HZS5.6N (B2) or RD5.6ES (B)
  - D212,213 : RB721Q

- KRF-V5050D/V5050D-S/V5050D-E/V5550D-S (3/3)
- KRF-V6050D/V6050D-S (3/3)
- KRF-V7050D/V7050D-S (3/3)
- KRF-X9050D/X9050D-S (3/3)

(X14-7XXX-XX) (B/8)



	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	SP	00	L	a	a	a	a	a	a	a	FM
P2	A	C	i	i	i	i	i	i	i	i	AM
P3	B	R	h	h	h	h	h	h	h	h	MHz
P4	TI.VOL	SL	k	k	k	k	k	k	k	k	kHz
P5	CLIP	S	b	b	b	b	b	b	b	b	AUTO
P6	-	SR	f	f	f	f	f	f	f	f	MEMO
P7	-	LFE	g	g	g	g	g	g	g	g	ST.
P8	MUTE	SW	m	m	m	m	m	m	m	m	TUNED
P9	RDS	(L)	c	c	c	c	c	c	c	c	AUDIO SOUND
P10	EON	(C)	e	e	e	e	e	e	e	e	PRO LOGIC
P11	PTY	(R)	r	r	r	r	r	r	r	r	3
P12	TP	(SL)	n	n	n	n	n	n	n	n	STEREO
P13	TA	(S)	p	p	p	p	p	p	p	p	DOWNMIX
P14	NEWS	(SR)	d	d	d	d	d	d	d	d	DIGITAL
P15	-	-	-	-	-	-	-	-	-	-	S.DIRECT
P16	-	-	-	-	-	-	-	-	-	-	MONITOR
P17	-	-	-	-	-	-	-	-	-	-	DSP



--- DIGITAL LINE  
 --- SIGNAL LINE  
 --- GND LINE  
 --- +B LINE  
 --- -B LINE

KRF-V5050D/V5550D/V6050D/V7050D/X9050D



\* New Parts

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①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
<b>KRF-V5050D/V5050DE/V5050D-S</b>						
601	1A	*	A01-3795-01	METALLIC CABINET	YETE2	
601	1A	*	A01-3796-01	METALLIC CABINET	E3T2	
601	1A	*	A01-3796-01	METALLIC CABINET	MXI	
602	1A	*	A09-1178-08	BATTERY COVER		
605	2B	*	A60-1933-01	PANEL	E3T2	
605	2B	*	A60-1933-01	PANEL	MXI	
605	2B	*	A60-1934-01	PANEL	YETE2	
606	1A	*	A70-1468-15	REMOTE CONTROL ASSY RC-R0511	YMXI	
606	1A	*	A70-1469-05	REMOTE CONTROL ASSY RC-R0512	ETE2	
606	1A	*	A70-1469-05	REMOTE CONTROL ASSY RC-R0512	E3T2	
610	2A	*	B07-2550-02	ESCUTCHEON	YETE2	
610	2A	*	B07-2551-02	ESCUTCHEON	E3T2	
610	2A	*	B07-2551-02	ESCUTCHEON	MXI	
611	2A	*	B10-3658-02	FRONT GLASS	YMXI	
611	2A	*	B10-3670-02	FRONT GLASS	ETE2	
611	2A	*	B10-3670-02	FRONT GLASS	E3T2	
613	2B	*	B12-0384-04	INDICATOR		
614	2B	*	B12-0385-04	INDICATOR		
615	2A	*	B43-0314-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	ETE2	
-			B46-0310-03	WARRANTY CARD	E3T2	
-			B46-0328-03	WARRANTY CARD	Y	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0945-03	CAUTION CARD	TT2	
-			B58-0964-13	CAUTION CARD (UL)	Y	
-			B58-0965-13	CAUTION CARD (T.XtypePL)	XTT2	
-			B58-0966-13	CAUTION CARD (ELMtypePL)	MIEE3	
-			B58-1607-03	CAUTION CARD	E2	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-4942-00	INSTRUCTION MANUAL (EN)	YMXI	
-		*	B60-4944-00	INSTRUCTION MANUAL (ES)	M	
-		*	B60-4945-00	INSTRUCTION MANUAL (TC)	MI	
-		*	B60-4947-00	INSTRUCTION MANUAL (EN)	TE2T2	
-		*	B60-4948-00	INSTRUCTION MANUAL (FR/GE)	EE3	
-		*	B60-4949-00	INSTRUCTION MANUAL (NE/IT)	EE3	
-		*	B60-4950-00	INSTRUCTION MANUAL (ES)	E2	
-		*	B60-4951-00	INSTRUCTION MANUAL (PL/RU)	E2	
-		*	B60-4952-00	INSTRUCTION MANUAL (CZ/HU)		
△ 619	1A		E03-0115-05	AC PLUG ADAPTER	M	
△ 620	1C		E30-2605-05	AC POWER CORD	Y	
△ 620	1C		E30-2717-05	AC POWER CORD	X	
△ 620	1C		E30-2721-05	AC POWER CORD	TT2	
△ 620	1C		E30-2942-05	AC POWER CORD	E2E3	
△ 620	1C		E30-2942-05	AC POWER CORD	MIE	
621	2B,2C	*	E35-2774-15	FLAT CABLE 21P		
623	1C,2C	*	E35-2776-05	FLAT CABLE 29P		
624	1C	*	E35-2777-05	FLAT CABLE 23P		
625	1C,2C	*	E35-2841-05	FLAT CABLE 19P		
-		*	H10-7743-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7744-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0391-04	PROTECTION BAG		

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I : Malaysia

Y : PX(Far East,Hawaii)

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△ indicates safety critical components .

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②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-		*	H50-3998-04	ITEM CARTON CASE	YT	
-		*	H50-3999-04	ITEM CARTON CASE	X	
-		*	H50-4000-04	ITEM CARTON CASE	MI	
-		*	H50-4001-04	ITEM CARTON CASE	E	
-		*	H50-4002-04	ITEM CARTON CASE	E2	
-		*	H50-4003-04	ITEM CARTON CASE	E3	
-		*	H50-4004-04	ITEM CARTON CASE	T2	
641	2B,2C		J02-1464-03	FOOT		
642	2B,2C		J19-3751-04	UNIT HOLDER		
643	1C		J19-6078-05	UNIT HOLDER		
△ 647	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2B		K29-7675-22	KNOB CENTER KEY	YETE2	
650	2B		K29-7676-22	KNOB CENTER KEY	E3T2	
650	2B		K29-7676-22	KNOB CENTER KEY	MXI	
651	2B		K29-7678-04	KNOB VOLUME CONTROL	YETE2	
651	2B		K29-7679-04	KNOB VOLUME CONTROL	E3T2	
651	2B		K29-7679-04	KNOB VOLUME CONTROL	MXI	
652	2A		K29-7681-14	KNOB INPUT SELECTOR	YETE2	
652	2A		K29-7682-14	KNOB INPUT SELECTOR	E3T2	
652	2A		K29-7682-14	KNOB INPUT SELECTOR	MXI	
653	2A		K29-7684-03	KNOB MULTI CONTROL	YETE2	
653	2A		K29-7685-03	KNOB MULTI CONTROL	E3T2	
653	2A		K29-7685-03	KNOB MULTI CONTROL	MXI	
654	2B		K29-7687-03	KNOB POWER ON/STANDBY	YETE2	
654	2B		K29-7688-03	KNOB POWER ON/STANDBY	E3T2	
654	2B		K29-7688-03	KNOB POWER ON/STANDBY	MXI	
655	2A		K27-2384-04	KNOB (BUTTON) POWER ON/OFF	YETE2	
655	2A		K27-2385-04	KNOB (BUTTON) POWER ON/OFF	E3T2	
655	2A		K27-2385-04	KNOB (BUTTON) POWER ON/OFF	MXI	
△ 658	1B	*	L07-2923-05	POWER TRANSFORMER	YMI	
△ 658	1B	*	L07-2924-05	POWER TRANSFORMER	X	
△ 658	1B	*	L07-2925-05	POWER TRANSFORMER	ETE2	
△ 658	1B	*	L07-2925-05	POWER TRANSFORMER	E3T2	
661	1A		T90-0852-05	LOOP ANTENNA		
662	1A	*	T90-0877-05	LEAD WIRE ANTENNA		
665	2C	*	W02-2772-05	TUNER ASSY	YMXI	
665	2C	*	W02-2773-05	TUNER ASSY	ETE2	
665	2C	*	W02-2773-05	TUNER ASSY	E3T2	
665	2C	*	W02-2776-05	TUNER ASSY	YMXI	
665	2C	*	W02-2777-05	TUNER ASSY	ETE2	
665	2C	*	W02-2777-05	TUNER ASSY	E3T2	
<b>KRF-V6050D/V6050D-S</b>						
601	1A	*	A01-3795-01	METALLIC CABINET	YE	
601	1A	*	A01-3796-01	METALLIC CABINET	MXI	
602	1A	*	A09-1178-08	BATTERY COVER		
605	2B	*	A60-1929-01	PANEL	YE	
605	2B	*	A60-1930-01	PANEL	MXI	
606	1A	*	A70-1466-15	REMOTE CONTROL ASSY RC-R0615	YMXI	
606	1A	*	A70-1467-05	REMOTE CONTROL ASSY RC-R0616	E	
610	2A	*	B07-2550-02	ESCUTCHEON	YE	
610	2A	*	B07-2551-02	ESCUTCHEON	MXI	

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## PARTS LIST

KRF-V5050D/V5550D/V6050D/V7050D/X9050D



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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
611	2A	*	B10-3655-02	FRONT GLASS	YMXI	
611	2A	*	B10-3656-02	FRONT GLASS	E	
613	2B		B12-0384-04	INDICATOR		
614	2B		B12-0385-04	INDICATOR		
615	2A		B43-0314-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	E	
-			B46-0328-03	WARRANTY CARD	Y	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0964-13	CAUTION CARD (UL)	Y	
-			B58-0965-13	CAUTION CARD (T,XtypePL)	X	
-			B58-0966-13	CAUTION CARD (ELMtypePL)	MIE	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-4942-00	INSTRUCTION MANUAL (EN)	YMXI	
-		*	B60-4944-00	INSTRUCTION MANUAL (ES)	M	
-		*	B60-4945-00	INSTRUCTION MANUAL (TC)	MI	
-		*	B60-4948-00	INSTRUCTION MANUAL (FR/GE)	E	
-		*	B60-4949-00	INSTRUCTION MANUAL (NE/IT)	E	
-		*	B60-4950-00	INSTRUCTION MANUAL (ES)	E	
△ 619	1A		E03-0115-05	AC PLUG ADAPTER	M	
△ 620	1C		E30-2605-05	AC POWER CORD	Y	
△ 620	1C		E30-2717-05	AC POWER CORD	X	
△ 620	1C		E30-2942-05	AC POWER CORD	MIE	
621	2B,2C	*	E35-2774-15	FLAT CABLE 21P		
622	2B,2C	*	E35-2775-15	FLAT CABLE 7P		
623	1C,2C	*	E35-2776-05	FLAT CABLE 29P		
624	1C	*	E35-2777-05	FLAT CABLE 23P		
625	1C,2C	*	E35-2841-05	FLAT CABLE 19P		
-		*	H10-7743-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7744-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0391-04	PROTECTION BAG		
-		*	H50-3993-04	ITEM CARTON CASE	Y	
-		*	H50-3994-04	ITEM CARTON CASE	X	
-		*	H50-3995-04	ITEM CARTON CASE	MI	
-		*	H50-3996-04	ITEM CARTON CASE	E	
641	2B,2C		J02-1464-03	FOOT		
642	2B,2C		J19-3751-04	UNIT HOLDER		
643	1C		J19-6078-05	UNIT HOLDER		
△ 647	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2B		K29-7675-22	KNOB CENTER KEY	YE	
650	2B		K29-7676-22	KNOB CENTER KEY	MXI	
651	2B		K29-7678-04	KNOB VOLUME CONTROL	YE	
651	2B		K29-7679-04	KNOB VOLUME CONTROL	MXI	
652	2A		K29-7681-14	KNOB INPUT SELECTOR	YE	
652	2A		K29-7682-14	KNOB INPUT SELECTOR	MXI	
653	2A		K29-7684-03	KNOB MULTI CONTROL	YE	
653	2A		K29-7685-03	KNOB MULTI CONTROL	MXI	
654	2B		K29-7687-03	KNOB POWER ON/STANDBY	YE	
654	2B		K29-7688-03	KNOB POWER ON/STANDBY	MXI	
655	2A		K27-2384-04	KNOB (BUTTON) POWER ON/OFF	YE	
655	2A		K27-2385-04	KNOB (BUTTON) POWER ON/OFF	MXI	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
△ 658	1B	*	L07-2923-05	POWER TRANSFORMER	YMI	
△ 658	1B	*	L07-2924-05	POWER TRANSFORMER	X	
△ 658	1B	*	L07-2925-05	POWER TRANSFORMER	E	
661	1A		T90-0852-05	LOOP ANTENNA		
662	1A	*	T90-0877-05	LEAD WIRE ANTENNA		
665	2C	*	W02-2772-05	TUNER ASSY	YMXI	
665	2C	*	W02-2773-05	TUNER ASSY	E	
665	2C	*	W02-2776-05	TUNER ASSY	YMXI	
665	2C	*	W02-2777-05	TUNER ASSY	E	
<b>KRF-V7050D/V7050D-S</b>						
601	1A	*	A01-3793-01	METALLIC CABINET	ET	
601	1A	*	A01-3795-01	METALLIC CABINET	Y	
601	1A	*	A01-3796-01	METALLIC CABINET	MXI	
602	1A		A09-1178-08	BATTERY COVER		
604	2A	*	A22-1853-01	SUB PANEL	ET	
605	2A	*	A60-1744-12	PANEL	ET	
605	2A	*	A60-1929-01	PANEL	Y	
605	2A	*	A60-1930-01	PANEL	MXI	
606	1A	*	A70-1464-15	REMOTE CONTROL ASSY RC-R0613	YMXI	
606	1A	*	A70-1465-05	REMOTE CONTROL ASSY RC-R0614	ET	
610	2A	*	B07-2554-02	ESCUTCHEON	Y	
610	2A	*	B07-2555-02	ESCUTCHEON	MXI	
611	2A	*	B10-3650-12	FRONT GLASS	YXI	
611	2A	*	B10-3651-12	FRONT GLASS	M	
611	2A	*	B10-3652-12	FRONT GLASS	ET	
612	2A		B12-0341-04	INDICATOR	ET	
613	2B		B12-0383-04	INDICATOR		
614	2B		B12-0385-04	INDICATOR	YMXI	
615	2A		B43-0314-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	ET	
-			B46-0328-03	WARRANTY CARD	Y	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0945-03	CAUTION CARD	T	
-			B58-0964-13	CAUTION CARD (UL)	Y	
-			B58-0965-13	CAUTION CARD (T,XtypePL)	XT	
-			B58-0966-13	CAUTION CARD (ELMtypePL)	MIE	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-4942-00	INSTRUCTION MANUAL (EN)	YMXI	
-		*	B60-4944-00	INSTRUCTION MANUAL (ES)	M	
-		*	B60-4945-00	INSTRUCTION MANUAL (TC)	MI	
-		*	B60-4947-00	INSTRUCTION MANUAL (EN)	T	
-		*	B60-4948-00	INSTRUCTION MANUAL (FR/GE)	E	
-		*	B60-4949-00	INSTRUCTION MANUAL (NE/IT)	E	
-		*	B60-4950-00	INSTRUCTION MANUAL (ES)	E	
△ 619	1A		E03-0115-05	AC PLUG ADAPTER	M	
△ 620	1C		E30-2605-05	AC POWER CORD	Y	
△ 620	1C		E30-2717-05	AC POWER CORD	X	
△ 620	1C		E30-2721-05	AC POWER CORD	T	
△ 620	1C		E30-2942-05	AC POWER CORD	MIE	
621	2B,2C	*	E35-2774-15	FLAT CABLE 21P		
622	2B,2C	*	E35-2775-15	FLAT CABLE 7P		
623	1C,2C	*	E35-2776-05	FLAT CABLE 29P		
624	1C	*	E35-2777-05	FLAT CABLE 23P		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia  
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# KRF-V5050D/V5550D/V6050D/V7050D/X9050D PARTS LIST



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5

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
625	1C,2C	*	E35-2841-05	FLAT CABLE 19P		
-		*	H10-7743-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7744-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H25-0391-04	PROTECTION BAG		
-		*	H50-3987-04	ITEM CARTON CASE	YT	
-		*	H50-3988-04	ITEM CARTON CASE	X	
-		*	H50-3989-04	ITEM CARTON CASE	MI	
-		*	H50-3991-04	ITEM CARTON CASE	E	
641	2B,2C		J02-1464-03	FOOT		
642	2B,2C		J19-3751-04	UNIT HOLDER		
643	1C		J19-6078-05	UNIT HOLDER		
647	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2B		K29-7675-22	KNOB CENTER KEY	YET	
650	2B		K29-7676-22	KNOB CENTER KEY	MXI	
651	2B		K29-7678-04	KNOB VOLUME CONTROL	YET	
651	2B		K29-7679-04	KNOB VOLUME CONTROL	MXI	
652	2A		K29-7681-14	KNOB MULTI/INPUT	YET	
652	2A		K29-7682-14	KNOB MULTI/INPUT	MXI	
654	2B		K29-7687-03	KNOB POWER ON/STANDBY	Y	
654	2B		K29-7688-03	KNOB POWER ON/STANDBY	MXI	
655	2A		K27-2384-04	KNOB (BUTTON) POWER ON/OFF	YET	
655	2A		K27-2385-04	KNOB (BUTTON) POWER ON/OFF	MXI	
658	1B	*	L07-2923-05	POWER TRANSFORMER	YMI	
658	1B	*	L07-2924-05	POWER TRANSFORMER	X	
658	1B	*	L07-2925-05	POWER TRANSFORMER	ET	
661	1A		T90-0852-05	LOOP ANTENNA		
662	1A	*	T90-0877-05	LEAD WIRE ANTENNA		
665	2C	*	W02-2772-05	TUNER ASSY	YMXI	
665	2C	*	W02-2773-05	TUNER ASSY	ET	
665	2C	*	W02-2776-05	TUNER ASSY	YMXI	
665	2C	*	W02-2777-05	TUNER ASSY	ET	
<b>KRF-V5550D-S</b>						
601	1A	*	A01-3796-01	METALLIC CABINET		
602	1A	*	A09-1178-08	BATTERY COVER		
605	2B	*	A60-1997-01	PANEL		
606	2B	*	A70-1507-05	REMOTE CONTROL ASSY RC-R0617		
610	2A	*	B07-2551-02	ESCUTCHEON		
611	2A	*	B10-3678-02	FRONT GLASS		
613	2B		B12-0384-04	INDICATOR		
614	2B		B12-0385-04	INDICATOR		
615	2A		B43-0314-04	KENWOOD BADGE		
-			B46-0328-03	WARRANTY CARD	Y	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0964-13	CAUTION CARD (UL)	Y	
-			B58-0966-13	CAUTION CARD (ELMtypePK)	M	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-4942-00	INSTRUCTION MANUAL (EN)		
-		*	B60-4944-00	INSTRUCTION MANUAL (ES)	M	
-		*	B60-4945-00	INSTRUCTION MANUAL (TC)	M	
619	1A		E03-0115-05	AC PLUG ADAPTER	M	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
620	1C		E30-2605-05	AC POWER CORD	Y	
620	1C		E30-2942-05	AC POWER CORD	M	
621	2B,2C	*	E35-2774-15	FLAT CABLE 21P		
623	1C,2C	*	E35-2776-05	FLAT CABLE 29P		
624	1C	*	E35-2777-05	FLAT CABLE 23P		
625	1C,2C	*	E35-2841-05	FLAT CABLE 19P		
-		*	H10-7743-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7744-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H25-0391-04	PROTECTION BAG	M	
-		*	H50-4043-04	ITEM CARTON CASE		
-		*	H50-4148-04	ITEM CARTON CASE	Y	
641	2B,2C		J02-1464-03	FOOT		
642	2B,2C		J19-3751-04	UNIT HOLDER		
643	1C		J19-6078-05	UNIT HOLDER		
647	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2B		K29-7676-22	KNOB CENTER KEY		
651	2B		K29-7679-04	KNOB VOLUME CONTROL		
652	2A		K29-7682-14	KNOB INPUT SELECTOR		
653	2A		K29-7685-03	KNOB MULTI CONTROL		
654	2B		K29-7688-03	KNOB POWER ON/STANDBY		
655	2A		K27-2385-04	KNOB (BUTTON) POWER ON/OFF		
658	1B	*	L07-2926-05	POWER TRANSFORMER		
661	1A		T90-0852-05	LOOP ANTENNA		
662	1A	*	T90-0877-05	LEAD WIRE ANTENNA		
665	1C	*	W02-2772-05	TUNER ASSY		
665	1C	*	W02-2776-05	TUNER ASSY		
<b>KRF-X9050D/X9050D-S</b>						
601	1A	*	A01-3793-01	METALLIC CABINET	YET	
601	1A	*	A01-3794-01	METALLIC CABINET	MXI	
602	1A		A09-1215-08	BATTERY COVER		
604	2A	*	A22-1851-01	SUB PANEL	YET	
604	2A	*	A22-1852-01	SUB PANEL	MXI	
605	2B	*	A60-1937-02	PANEL	MXI	
605	2B	*	A60-1938-02	PANEL	YET	
606	1A	*	A70-1480-05	REMOTE CONTROL ASSY RC-R0714	YMXI	
606	1A	*	A70-1481-05	REMOTE CONTROL ASSY RC-R0715	ET	
611	2A	*	B10-3645-12	FRONT GLASS	YXI	
611	2A	*	B10-3646-12	FRONT GLASS	M	
611	2A	*	B10-3647-12	FRONT GLASS	ET	
612	2A		B12-0341-04	INDICATOR		
613	2B		B12-0383-04	INDICATOR		
615	2A		B43-0314-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	ET	
-			B46-0328-03	WARRANTY CARD	Y	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0945-03	CAUTION CARD	T	
-			B58-0964-13	CAUTION CARD (UL)	Y	
-			B58-0965-13	CAUTION CARD (T,XtypePL)	XT	

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KRF-V5050D/V5550D/M6050D/V7050D/X9050D

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-			B58-0966-13	CAUTION CARD (ELMtypePL)	MIE	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-4958-00	INSTRUCTION MANUAL (EN)	YMXIT	
-		*	B60-4959-00	INSTRUCTION MANUAL (FR/GE)	E	
-		*	B60-4960-00	INSTRUCTION MANUAL (NE/IT)	E	
-		*	B60-4961-00	INSTRUCTION MANUAL (ES)	ME	
-		*	B60-4962-00	INSTRUCTION MANUAL (TC)	MI	
Δ 619	1A		E03-0115-05	AC PLUG ADAPTER	M	
Δ 620	1C		E30-2605-05	AC POWER CORD	Y	
Δ 620	1C		E30-2717-05	AC POWER CORD	X	
Δ 620	1C		E30-2721-05	AC POWER CORD	T	
Δ 620	1C		E30-2942-05	AC POWER CORD	MIE	
621	2B,2C	*	E35-2774-15	FLAT CABLE 21P		
622	2B,2C	*	E35-2775-15	FLAT CABLE 7P		
623	1C,2C	*	E35-2776-05	FLAT CABLE 29P		
624	1C	*	E35-2777-05	FLAT CABLE 23P		
625	1C,2C	*	E35-2841-05	FLAT CABLE 19P		
-		*	H10-7743-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7744-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H25-0391-04	PROTECTION BAG		
-		*	H50-3981-04	ITEM CARTON CASE	YT	
-		*	H50-3982-04	ITEM CARTON CASE	X	
-		*	H50-3983-04	ITEM CARTON CASE	MI	
-		*	H50-3984-04	ITEM CARTON CASE	E	
641	2B,2C		J02-1464-03	FOOT		
642	2B,2C		J19-3751-04	UNIT HOLDER		
643	1C		J19-6078-05	UNIT HOLDER		
Δ 647	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2B		K29-7675-22	KNOB CENTER KEY	YET	
650	2B		K29-7676-22	KNOB CENTER KEY	MXI	
651	2B		K29-7679-04	KNOB VOLUME CONTROL	MXI	
651	2B		K29-7877-04	KNOB VOLUME CONTROL	YET	
652	2A		K29-7682-14	KNOB MULTI/INPUT	MXI	
652	2A		K29-7876-04	KNOB MULTI/INPUT	YET	
655	2A		K27-2384-04	KNOB (BUTTON) POWER ON/OFF	YET	
655	2A		K27-2385-04	KNOB (BUTTON) POWER ON/OFF	MXI	
Δ 658	1B	*	L07-2917-05	POWER TRANSFORMER	YMI	
Δ 658	1B	*	L07-2918-05	POWER TRANSFORMER	X	
Δ 658	1B	*	L07-2919-05	POWER TRANSFORMER	ET	
661	1A		T90-0852-05	LOOP ANTENNA		
662	1A	*	T90-0877-05	LEAD WIRE ANTENNA		
665	1C	*	W02-2776-05	TUNER ASSY	YMXI	
665	1C	*	W02-2777-05	TUNER ASSY	ET	
<b>POWER SUPPLY UNIT(X00-3000-2X) YMIX type only</b>						
CN1			E40-8386-05	PIN ASSY		
Δ F3			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)		
CN2 ,3			J13-0075-05	FUSE CLIP		
Δ S1			S62-0001-05	SLIDE SWITCH		

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<b>POWER AMPLIFIER UNIT(X07-329X/33XX-XX)</b>						
C1 ,2			CC45FSL1H221J	CERAMIC 220PF	J	
C3 ,4			CE04KW1H100M	ELECTRO 10UF	50WV	5679
C5 ,6			CC45FSL1H221J	CERAMIC 220PF	J	5679
C7 ,8			CE04KW1A101M	ELECTRO 100UF	10WV	5679
C9 ,10			CC45FSL1H271J	CERAMIC 270PF	J	5679
C11 ,12			CQ93FMG1H123J	MYLAR 0.012UF	J	5679
C13 ,14			CK45FB1H332K	CERAMIC 3300PF	K	5679
C15 ,16			CC45FSL1H101J	CERAMIC 100PF	J	5679
C17 ,18			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	5679
C19 -32			CC45FSL1H221J	CERAMIC 220PF	J	
C33 ,34			CC45FSL1H221J	CERAMIC 220PF	J	789
C35 ,36			CC45FSL1H221J	CERAMIC 220PF	J	79
C37 ,38			CE04PW1H2R2M	ELECTRO 2.2UF	50WV	
C39 ,40			CC45FSL1H101J	CERAMIC 100PF	J	
C41 ,42			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C43 ,44		*	CC45FSL1H101J	CERAMIC 100PF	J	
C45 ,46		*	CE04PW1C220M	ELECTRO 22UF	16WV	
C47 ,48		*	CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C49 ,50		*	CK45FB1H471K	CERAMIC 470PF	K	
C51 ,52		*	CE04KW1A101M	ELECTRO 100UF	10WV	
C53 ,54			CK45FB1H471K	CERAMIC 470PF	K	
C55 ,56			CC45FCH1H180J	CERAMIC 18PF	J	
C57 -60			C91-1573-05	MP-C 0.10UF	J	
C61 ,62			CK45FB1H222K	CERAMIC 2200PF	K	
C101,102			CE04KW1H100M	ELECTRO 10UF	50WV	
C103,104			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C105,106			CK45FB1H471K	CERAMIC 470PF	K	
C107,108			CE04KW1A101M	ELECTRO 100UF	10WV	
C109,110			CK45FB1H471K	CERAMIC 470PF	K	
C111,112			CC45FCH1H180J	CERAMIC 18PF	J	
C113-116			C91-1573-05	MP-C 0.10UF	J	6789
C117,118			CK45FB1H222K	CERAMIC 2200PF	K	5679
C119,120			CK45FB1H222K	CERAMIC 2200PF	K	
C131			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C132			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C133			CK45FB1H471K	CERAMIC 470PF	K	
C134			CK45FB1H471K	CERAMIC 470PF	K	8
C135			CE04KW1A101M	ELECTRO 100UF	10WV	
C136			CE04KW1A101M	ELECTRO 100UF	10WV	8
C137			CK45FB1H471K	CERAMIC 470PF	K	
C139			CC45FCH1H180J	CERAMIC 18PF	J	
C140			CC45FCH1H180J	CERAMIC 18PF	J	8
C141			C91-1573-05	MP-C 0.10UF	J	
C142			C91-1573-05	MP-C 0.10UF	J	8
C143			C91-1573-05	MP-C 0.10UF	J	
C144			C91-1573-05	MP-C 0.10UF	J	8
C145			CK45FB1H222K	CERAMIC 2200PF	K	
C146			CK45FB1H222K	CERAMIC 2200PF	K	8
C147			CC45FSL1H221J	CERAMIC 220PF	J	567
C151-155			CC45FSL1H101J	CERAMIC 100PF	J	
C201,202		*	C90-3945-05	ELECTRO 10000UF	80WV	9
C201,202		*	C90-3982-05	ELECTRO 4700UF	75WV	567
C201,202		*	C90-3984-05	ELECTRO 4700UF	75WV	8

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KRF-V5050D/V5550D/V6050D/V7050D/X9050D

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C201,202		*	C90-3984-05	ELECTRO 4700UF 75WV	ET	567
C201,202		*	C90-3984-05	ELECTRO 4700UF 75WV	E2E3T2	5
C203,204		*	C90-3946-05	ELECTRO 3300UF 50WV		9
C203,204		*	C90-3983-05	ELECTRO 3300UF 50WV	YMXI	567
C203,204		*	C90-3985-05	ELECTRO 3300UF 42WV		8
C203,204		*	C90-3985-05	ELECTRO 3300UF 42WV	ET	567
C203,204		*	C90-3985-05	ELECTRO 3300UF 42WV	E2E3T2	5
C205			CE04KW1E222M	ELECTRO 2200UF 25WV		
C206			CE04LW1E471M	ELECTRO 470UF 25WV		
C207,208			CE04KW1E101M	ELECTRO 100UF 25WV		
C209			CE04PW1H100M	ELECTRO 10UF 50WV		
C210		*	CE04PW1J330M	ELECTRO 33UF 63WV		
C211			CC45FSL1H101J	CERAMIC 100PF J		5679
C212			CK45FF1H103Z	CERAMIC 0.010UF Z		5679
C213			CC45FSL1H221J	CERAMIC 220PF J		
C214			CK45FB1H102K	CERAMIC 1000PF K		
C215			CK45FF1H103Z	CERAMIC 0.010UF Z		
C216			CC45FSL1H221J	CERAMIC 220PF J		
C217,218			CE04KW1H101M	ELECTRO 100UF 50WV		
C219,220			CE04KW2A101M	ELECTRO 100UF 100WV		
C221			CE04PW1A101M	ELECTRO 100UF 10WV		
C222			CE04HW1A221M	NP-ELEC 220UF 10WV		
C223,224			CE04KW2A100M	ELECTRO 10UF 100WV		
C225			CE04PW1H4R7M	ELECTRO 4.7UF 50WV		
C226			CE04PW1H010M	ELECTRO 1UF 50WV		
C227		*	CE04PW1A221M	ELECTRO 220UF 10WV		
C228			CE04PW1H2R2M	ELECTRO 2.2UF 50WV		
C229			CE04KW1E332M	ELECTRO 3300UF 25WV		
C230			CE04KW1H100M	ELECTRO 10UF 50WV		
C231			CE04LW0J222M	ELECTRO 2200UF 6.3WV	YMI	
C232			CQ93FMG1H333J	MYLAR 0.033UF J	YMI	
C232			CQ93FMG1H473J	MYLAR 0.047UF J	ET	
C232			CQ93FMG1H473J	MYLAR 0.047UF J	E2E3T2	
C232			C91-1573-05	MP-C 0.10UF J	X	
C233			CK45FF1H103Z	CERAMIC 0.010UF Z		
C234			CE04KW1H100M	ELECTRO 10UF 50WV		
C300			CK45FE2H103P	CERAMIC 0.010UF P	MI	
C303-307			CK45FF1H472Z	CERAMIC 4700PF Z		
C308			CK45FF1H472Z	CERAMIC 4700PF Z		
C309			CE04HW1E100M	NP-ELEC 10UF 25WV		
C310			CE04LW1E470M	ELECTRO 47UF 25WV		
C311,312			CK45FF1H103Z	CERAMIC 0.010UF Z		
C313,314			CK45FF1H223Z	CERAMIC 0.022UF Z		
C315			CK45FB1H471K	CERAMIC 470PF K		
△ C316,317			C91-1488-05	MF 6800PF 250VAC		
△ C316,317		*	C91-1635-05	FILM 0.068UF 275WV		
C401,402			CK45FB1H102K	CERAMIC 1000PF K		
C403,404			CC45FSL1H101J	CERAMIC 100PF J		
C405			CK45FB1H102K	CERAMIC 1000PF K		
CN2			E40-4245-05	PIN ASSY		
CN3			E40-4428-05	PIN ASSY	YMI	
CN4			E40-4245-05	PIN ASSY	E2E3T2	
CN4			E40-4245-05	PIN ASSY	XET	
CN5			E40-8485-05	FLAT CABLE CONNECTOR	E3T2	5679

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CN6			E40-9850-05	PIN ASSY		
CN7			E40-8483-05	FLAT CABLE CONNECTOR		
J1 ,2			E63-1143-05	PIN JACK		79
J3			E63-1144-05	PIN JACK		679
J4			E70-0049-05	SCREW TERMINAL BOARD		
J4			E70-0122-05	SCREW TERMINAL BOARD		58
J5			E70-0128-05	LOCK TERMINAL BOARD		679
J6			E70-0122-05	LOCK TERMINAL BOARD		8
J7			E63-1146-05	LOCK TERMINAL BOARD		567
△ J8			E03-0148-05	AC OUTLET	Y	
△ J8			E03-0149-05	AC OUTLET	MIE	
△ J8			E03-0310-05	AC OUTLET	E2E3T2	
△ J8			E03-0325-05	AC OUTLET	X	
J9			E70-0057-05	LOCK TERMINAL BOARD		5
J10			E63-1138-05	PIN JACK		8
△ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)		
△ F2			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	EE2E3	
CN8 ,9			J13-0075-05	FUSE CLIP		
CN10,11			J13-0075-05	FUSE CLIP	EE2E3	
E5			J11-0808-05	WIRE CLAMPER		
L1 -5			L39-1373-05	PHASE COMPENSATION COIL		8
L6			L39-1373-05	PHASE COMPENSATION COIL		679
△ T1			L07-2758-05	POWER TRANSFORMER	X	
△ T1			L07-2761-05	POWER TRANSFORMER	ET	
△ T1			L07-2761-05	POWER TRANSFORMER	E2E3T2	
△ T1			L07-2761-05	POWER TRANSFORMER	X	5
△ T1			L07-2805-05	POWER TRANSFORMER	YMI	
R1 ,2			RD14BB2C102J	RD 1.0K J 1/6W		5679
R3 ,4			RD14BB2C303J	RD 30K J 1/6W		5679
R5 ,6			RD14BB2C101J	RD 100 J 1/6W		5679
R7 ,8			RD14BB2C361J	RD 360 J 1/6W		5679
R9 ,10			RD14BB2C274J	RD 270K J 1/6W		5679
R11 ,12			RD14BB2C223J	RD 22K J 1/6W		5679
R13 ,14			RD14BB2C473J	RD 47K J 1/6W		5679
R45 ,46			RD14BB2C102J	RD 1.0K J 1/6W		789
R47 ,48			RD14BB2C224J	RD 220K J 1/6W		789
R49 ,50			RD14BB2C102J	RD 1.0K J 1/6W		79
R51 ,52			RD14BB2C224J	RD 220K J 1/6W		79
R73 -76			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R81 ,82			RD14BB2C112J	RD 1.1K J 1/6W	YMXI	567
R81 ,82			RD14BB2C122J	RD 1.2K J 1/6W		89
R81 ,82			RD14BB2C122J	RD 1.2K J 1/6W	ET	567
R81 ,82			RD14BB2C122J	RD 1.2K J 1/6W		
R81 ,82			RD14BB2C122J	RD 1.2K J 1/6W	E2E3T2	5
R83 ,84			RD14NB2E4R7J	RD 4.7 J 1/4W		
R85 ,86			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R87 ,88			RS14KB3D391J	FL-PROOF RS 390 J 2W		
R109-112			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R117,118			RD14BB2C112J	RD 1.1K J 1/6W	YMXI	567
R117,118			RD14BB2C122J	RD 1.2K J 1/6W		89
R117,118			RD14BB2C122J	RD 1.2K J 1/6W	ET	567
R117,118			RD14BB2C122J	RD 1.2K J 1/6W	E2E3T2	5
R119,120			RD14NB2E4R7J	RD 4.7 J 1/4W		
R121,122			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		

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KRF-V5050D/V5550D/V6050D/V7050D/X9050D

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R132			RD14BB2C222J	RD 2.2K J 1/6W		5678
R134			RD14BB2C104J	RD 100K J 1/6W		8
R136			RD14BB2C333J	RD 33K J 1/6W		8
R138			RD14BB2C102J	RD 1.0K J 1/6W		8
R139			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R140			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		8
R141			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		8
R142			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		8
R144			RD14BB2C102J	RD 1.0K J 1/6W		8
R146			RD14BB2C333J	RD 33K J 1/6W		8
R147			RD14BB2C112J	RD 1.1K J 1/6W	YMXI	567
R147			RD14BB2C122J	RD 1.2K J 1/6W		89
R147			RD14BB2C122J	RD 1.2K J 1/6W	ET	567
R147			RD14BB2C122J	RD 1.2K J 1/6W	E2E3T2	5
R148			RD14BB2C122J	RD 1.2K J 1/6W		8
R149			RD14NB2E4R7J	RD 4.7 J 1/4W		
R150			RD14NB2E4R7J	RD 4.7 J 1/4W		8
R151			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R152			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		8
R153			RD14BB2C224J	RD 220K J 1/6W		567
R154			RD14BB2C331J	RD 330 J 1/6W		567
R207			RD14NB2E101J	RD 100 J 1/4W		
R208			RD14NB2E822J	RD 8.2K J 1/4W		
R216			RD14BB2C333J	RD 33K J 1/6W		8
R222			RD14BB2C513J	RD 51K J 1/6W		8
R223-226			RS14KB3A472J	FL-PROOF RS 4.7K J 1W		
R238,239			RD14NB2E103J	RD 10K J 1/4W		
R242,243			RD14NB2E101J	RD 100 J 1/4W		
R254			RS14KB3D181J	FL-PROOF RS 180 J 2W		9
R262			RD14NB2E1R0J	RD 1 J 1/4W		
R263			RD14NB2E151J	RD 150 J 1/4W	ET	
R263			RD14NB2E151J	RD 150 J 1/4W	E2E3T2	
R263			RD14NB2E181J	RD 180 J 1/4W	X	
R263			RD14NB2E2R2J	RD 2.2 J 1/4W	YMI	
R301,302			RD14NB2E1R0J	RD 1 J 1/4W		
R315,316			RD14BB2C103J	RD 10K J 1/6W		5678
R315,316			RD14BB2C912J	RD 9.1K J 1/6W		9
R318			RD14BB2C303J	RD 30K J 1/6W		8
R319			RD14BB2C103J	RD 10K J 1/6W		5678
R319			RD14BB2C912J	RD 9.1K J 1/6W		9
R320			RD14BB2C103J	RD 10K J 1/6W		8
R321-323			RS14KB3A151J	FL-PROOF RS 150 J 1W		
R330			RD14BB2C102J	RD 1.0K J 1/6W		5678
R335			RD14NB2E821J	RD 820 J 1/4W		
R336			RD14BB2C102J	RD 1.0K J 1/6W		5678
R356			RD14BB2C471J	RD 470 J 1/6W		8
R998,999			RD14NB2E1R0J	RD 1 J 1/4W		
K1 .2			S76-0042-05	MAGNETIC RELAY	YMXI	
K1 .2			S76-0097-05	MAGNETIC RELAY		
K1 .2		*	S76-0112-05	MAGNETIC RELAY		
K1 .2		*	S76-0112-05	MAGNETIC RELAY	ET	
K3		*	S76-0042-05	MAGNETIC RELAY	E2E3T2	5679
K3		*	S76-0097-05	MAGNETIC RELAY	YMXI	5679
K3		*	S76-0112-05	MAGNETIC RELAY	ET	5679

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K3		*	S76-0112-05	MAGNETIC RELAY	E2E3T2	5679
K4		*	S76-0042-05	MAGNETIC RELAY	YMXI	6789
K4		*	S76-0097-05	MAGNETIC RELAY		6789
K4		*	S76-0112-05	MAGNETIC RELAY	ET	679
K5		*	S76-0107-05	MAGNETIC RELAY		
D1		*	D5SBA20F03	DIODE		
D1		*	TS6P03G-B	DIODE		
D2		*	TS10P03G-B	DIODE		
D3		*	D2SBA20F03	DIODE		
D4		*	MTZJ16(B)	ZENER DIODE		
D4		*	RD16ES(B)	ZENER DIODE		
D5 -9		*	MTZJ15(B)	ZENER DIODE		
D5 -9		*	RD15ES(B)	ZENER DIODE		
D10 -14		*	HSS104A	DIODE		
D10 -14		*	1SS133	DIODE		
D15		*	HSS104A	DIODE		8
D15		*	1SS133	DIODE		8
D16 ,17		*	HSS104A	DIODE		
D16 ,17		*	1SS133	DIODE		
D18		*	MTZJ6.8(B)	ZENER DIODE		8
D18		*	MTZJ6.8(B)	ZENER DIODE	ET	567
D18		*	MTZJ8.2(B)	ZENER DIODE	E2E3T2	5
D18		*	MTZJ8.2(B)	ZENER DIODE	YMXI	9
D18		*	RD6.8ES(B)	ZENER DIODE		567
D18		*	RD6.8ES(B)	ZENER DIODE		8
D18		*	RD6.8ES(B)	ZENER DIODE	ET	567
D18		*	RD8.2ES(B)	ZENER DIODE	E2E3T2	5
D18		*	RD8.2ES(B)	ZENER DIODE	YMXI	9
D19		*	MTZJ15(B)	ZENER DIODE		567
D19		*	MTZJ16(B)	ZENER DIODE	YMXI	9
D19		*	MTZJ16(B)	ZENER DIODE	ET	567
D19		*	MTZJ16(B)	ZENER DIODE		8
D19		*	RD15ES(B)	ZENER DIODE	YMXI	9
D19		*	RD15ES(B)	ZENER DIODE		9
D19		*	RD16ES(B)	ZENER DIODE		567
D19		*	RD16ES(B)	ZENER DIODE	ET	9
D20		*	MTZJ13(B)	ZENER DIODE		8
D20		*	MTZJ15(B)	ZENER DIODE	ET	567
D20		*	MTZJ15(B)	ZENER DIODE	E2E3T2	5
D20		*	MTZJ16(B)	ZENER DIODE		9
D20		*	MTZJ16(B)	ZENER DIODE	ET	567
D20		*	MTZJ18(B)	ZENER DIODE	MI	567
D20		*	MTZJ20(B)	ZENER DIODE	YX	9
D20		*	RD13ES(B)	ZENER DIODE	YMXI	8
D20		*	RD15ES(B)	ZENER DIODE		567
D20		*	RD15ES(B)	ZENER DIODE	E2E3T2	5
D20		*	RD16ES(B)	ZENER DIODE	ET	9
D20		*	RD16ES(B)	ZENER DIODE	MI	567
D20		*	RD18ES(B)	ZENER DIODE	YX	567
D20		*	RD20ES(B)	ZENER DIODE	YMXI	9
D21		*	HSS104A	DIODE		
D21		*	1SS133	DIODE		
D22 ,23		*	MTZJ3.9(B)	ZENER DIODE		
D22 ,23		*	RD3.9ES(B)	ZENER DIODE		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D24 -26 D24 -26 D27 D27 D28			HSS104A 1SS133 HSS104A 1SS133 HSS104A	DIODE DIODE DIODE DIODE DIODE		5679 5679 6789
D28 D29 ,30 D29 ,30 D31 D31			1SS133 HSS104A 1SS133 MTZJ3.9(B) RD3.9ES(B)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE	YMI YMI	6789
Δ D32 -34 Δ D32 -34 Δ D35 D36 D37			HSS104A 1SS133 S1ZB20(4101) RB721Q HSS104A	DIODE DIODE DIODE DIODE DIODE		
D37 Δ IC1 Δ IC1 Δ IC1 Δ IC2			1SS133 STK412-020A STK412-040N STK412-040T STK413-020A	DIODE HYBRID IC HYBRID IC HYBRID IC HYBRID IC		567 9 9 567
Δ IC2 Δ IC3 ,4 Δ IC5 Δ IC6 Δ IC7		*	STK413-040T STK413-010A KIA7812API KIA7912PI NJM4580L-D	HYBRID IC HYBRID IC ANALOGUE IC ANALOGUE IC ANALOGUE IC		9 8   5679
IC8 IC9 ,10 IC11 Δ IC12 Q1 -5			NJU7313AL NJM4565D NJU7313AL BA05T 2SC2878(B)	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC TRANSISTOR		
Q6 Q201 Q202 Q203 Q205			2SC2878(B) 2SB1640 2SC1845(F,E) 2SA1535A 2SC1845(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		5678
Q206 Q207 Q208 Q209,210 Q211-214			2SA992(F,E) 2SC3944A 2SB1640 2SA992(F,E) 2SC1845(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q215 Q215 Q301-305 Q306 Q307,308			2SC1740S(Q,R) 2SC2785(F,E) 2SC1845(F,E) 2SC1845(F,E) UN4219	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		8
Q309 Q310 Q311			UN4219 UN4219 2SA992(F,E)	DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		5679 6789
SURROUND UNIT (X08-3060-1X)						
C1 ,2 C3 C4 C5 ,6 C7 ,8			CE04LW1H100M CK73GB1H103K CC73GCH1H101J CK73GB1H222K CK73FB1E104K	ELECTRO CHIP C CHIP C CHIP C CHIP C	10UF 0.010UF 100PF 2200PF 0.10UF	50WV K J K K

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C9 ,10 C11 ,14 C21 C22 C23			CE04LW1H4R7M CC73GCH1H101J CK73FB1E104K CE04LW1H100M CK73GB1H102K	ELECTRO CHIP C CHIP C ELECTRO CHIP C	4.7UF 100PF 0.10UF 10UF 1000PF	50WV J K 50WV K
C24 ,25 C26 C27 C29 C31			CK73FB1E104K CE04LW1H100M CE04LW1H4R7M CK73GB1H103K CC73GCH1H220J	CHIP C ELECTRO ELECTRO CHIP C CHIP C	0.10UF 10UF 4.7UF 0.010UF 22PF	K 50WV 50WV K J
C32 C33 C34 C35 C36			CK73GB1H472K CC73GCH1H220J CK73GB1H472K CK73FF1C105Z CK73FF1C105Z	CHIP C CHIP C CHIP C CHIP C CHIP C	4700PF 22PF 4700PF 1.0UF 1.0UF	K J K Z Z
C37 C41 C42 C43 ,44 C45			CK73FF1C105Z CC73GCH1H220J CC73GCH1H270J CK73GB1H102K CK73GB1H103K	CHIP C CHIP C CHIP C CHIP C CHIP C	1.0UF 22PF 27PF 1000PF 0.010UF	Z J J K K
C46 C54 ,55 C56 C57 C58 ,59			CC73GCH1H220J CC73GCH1H220J CK73GB1H102K CK73FB1E104K CK73GB1H103K	CHIP C CHIP C CHIP C CHIP C CHIP C	22PF 22PF 1000PF 0.10UF 0.010UF	J J K K K
C103,104 C105,106 C107,108 C109 C110			CE04PW1H100M CK73GB1H182K CK73GB1H222K CK73GB1H472K CC73GCH1H101J	ELECTRO CHIP C CHIP C CHIP C CHIP C	10UF 1800PF 2200PF 4700PF 100PF	50WV K K K J
C111,112 C121,122 C125 C126 C141			CC73GCH1H101J CC73GCH1H220J CK73GB1H103K CC73GCH1H101J CC73GCH1H101J	CHIP C CHIP C CHIP C CHIP C CHIP C	100PF 22PF 0.010UF 100PF 100PF	J J K J J
C151,152 C151,152 C153,154 C155-157 C155-157		*	CE04LW1H4R7M CE04PW2A4R7M CC73GCH1H101J CE04LW1H4R7M CE04PW2A4R7M	ELECTRO ELECTRO CHIP C ELECTRO ELECTRO	4.7UF 4.7UF 100PF 4.7UF 4.7UF	50WV 100WV J 50WV 100WV
C158-160 C161,162 C163,164 C165,166 C167,168		*	CE04PW1H4R7M CK73GB1H223K CK73GB1C333K CK73FB1C474K CE04LW1H4R7M	ELECTRO CHIP C CHIP C CHIP C ELECTRO	4.7UF 0.022UF 0.033UF 0.47UF 4.7UF	50WV K K K 50WV
C169,170 C177-181 C182 C183 C184			CK73GB1H222K CE04KW1H4R7M CE04PW1H4R7M CK73FF1C105Z CC73GCH1H221J	CHIP C ELECTRO ELECTRO CHIP C CHIP C	2200PF 4.7UF 4.7UF 1.0UF 220PF	K 50WV 50WV Z J
C185,186 C189,190 C203,204 C205,206 C207,208			CK73FB1E104K CE04PW1H100M CE04PW1H100M CK73GB1H222K CK73GB1H821K	CHIP C ELECTRO ELECTRO CHIP C CHIP C	0.10UF 10UF 10UF 2200PF 820PF	K 50WV 50WV K K

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C209			CK73GB1H472K	CHIP C	4700PF	K
C210			CC73GCH1H101J	CHIP C	100PF	J
C211,212			CC73GCH1H101J	CHIP C	100PF	J
C215,216			CK73GB1H102K	CHIP C	1000PF	K
C251-256			CC73GCH1H221J	CHIP C	220PF	J
C303,304			CE04PW1H100M	ELECTRO	10UF	50WV
C305			CK73GB1H182K	CHIP C	1800PF	K
C306			CK73GB1H822K	CHIP C	8200PF	K
C307			CK73GB1H222K	CHIP C	2200PF	K
C308			CK73GB1H822K	CHIP C	8200PF	K
C309			CK73GB1H103K	CHIP C	0.010UF	K
C310			CC73GCH1H101J	CHIP C	100PF	J
C311			CC73GCH1H101J	CHIP C	100PF	J
C401,402			CK73GB1H103K	CHIP C	0.010UF	K
C451			CK73FB1E104K	CHIP C	0.10UF	K
C452			CE04KW1C472M	ELECTRO	4700UF	16WV
C453,454			CK73FB1E104K	CHIP C	0.10UF	K
C455			CE04LW1E470M	ELECTRO	47UF	25WV
C456,457			CK73FB1E104K	CHIP C	0.10UF	K
C458			CE04LW1E470M	ELECTRO	47UF	25WV
C459			CE04PW1H100M	ELECTRO	10UF	50WV
C460			CK73FB1E104K	CHIP C	0.10UF	K
C461			CE04PW1E470M	ELECTRO	47UF	25WV
C462			CE04PW1H100M	ELECTRO	10UF	50WV
C463			CK73FB1E104K	CHIP C	0.10UF	K
C464			CE04PW1E470M	ELECTRO	47UF	25WV
C465			CK73GB1H103K	CHIP C	0.010UF	K
C468,469			CC73GCH1H101J	CHIP C	100PF	J
C501-504			CK73FB1E104K	CHIP C	0.10UF	K
C505			CK73GB1H102K	CHIP C	1000PF	K
C506			CC73GCH1H471J	CHIP C	470PF	J
C507			CK73GB1H103K	CHIP C	0.010UF	K
C508			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C509			CE04PW1E470M	ELECTRO	47UF	25WV
C510			CK73GB1H103K	CHIP C	0.010UF	K
C601-604			CK73FB1E104K	CHIP C	0.10UF	K
C605			CK73GB1H102K	CHIP C	1000PF	K
C606			CC73GCH1H471J	CHIP C	470PF	J
C607			CK73GB1H103K	CHIP C	0.010UF	K
C608			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C609			CE04PW1E470M	ELECTRO	47UF	25WV
C610			CK73GB1H103K	CHIP C	0.010UF	K
C651			CE04PW1H010M	ELECTRO	1UF	50WV
C652			CE04PW1C101M	ELECTRO	100UF	16WV
C653			CE04PW1H100M	ELECTRO	10UF	50WV
C654			CE04LW1C101M	ELECTRO	100UF	16WV
C655			CE04EW1C471M	ELECTRO	470UF	16WV
C701,702			CK73GB1H471K	CHIP C	470PF	K
C703,704			CE04KW1E470M	ELECTRO	47UF	25WV
C705,706			CC73GCH1H220J	CHIP C	22PF	J
C707,708			CE04KW1H100M	ELECTRO	10UF	50WV
C709,710			CC73GCH1H330J	CHIP C	33PF	J
C711,712			CC73GCH1H470J	CHIP C	47PF	J
C713			CC73GCH1H101J	CHIP C	100PF	J
C714			CK73GB1H103K	CHIP C	0.010UF	K

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C715,716			CE04LW1E470M	ELECTRO	47UF	25WV
C801,802			CK73GB1H471K	CHIP C	470PF	K
C803,804			CE04KW1E470M	ELECTRO	47UF	25WV
C805,806			CC73GCH1H220J	CHIP C	22PF	J
C807,808			CE04LW1E470M	ELECTRO	47UF	25WV
C809,810			CC73GCH1H330J	CHIP C	33PF	J
C811,812			CC73GCH1H470J	CHIP C	47PF	J
C813			CC73GCH1H101J	CHIP C	100PF	J
C814			CK73GB1H103K	CHIP C	0.010UF	K
C901,902			CK73GB1H471K	CHIP C	470PF	K
C903			CE04KW1E470M	ELECTRO	47UF	25WV
C904			CE04KW1E221M	ELECTRO	220UF	25WV
C905,906			CC73GCH1H220J	CHIP C	22PF	J
C907,908			CE04KW1H100M	ELECTRO	10UF	50WV
C909			CC73GCH1H330J	CHIP C	33PF	J
C910			CK73GB1H222K	CHIP C	2200PF	K
C911			CC73GCH1H470J	CHIP C	47PF	J
C913			CC73GCH1H101J	CHIP C	100PF	J
C914			CK73GB1H103K	CHIP C	0.010UF	K
C915,916			CE04LW1E470M	ELECTRO	47UF	25WV
CN1			E40-8485-05	FLAT CABLE CONNECTOR		
CN2			E40-9842-05	PIN ASSY		
CN3			E40-8488-05	FLAT CABLE CONNECTOR		
CN5			E40-3246-05	PIN ASSY		
J1			E63-1080-05	PIN JACK		
J2			E63-1139-05	PIN JACK		
E2			F10-1197-04	SHIELDING PLATE		
E1			J11-0808-05	WIRE CLAMPER		
L41			L92-0510-05	CHIP FERRITE		
X1			L77-2296-05	CRYSTAL RESONATOR(12.288MHZ)		
CP51,52			R90-0714-05	MULTI-COMP	10K X4	
CP61,62			R90-0714-05	MULTI-COMP	10K X4	
CP90,91			R90-0728-05	MULTI-COMP	180 X4	
CP92			R90-0728-05	MULTI-COMP	180 X4	
CP93,96			R90-0728-05	MULTI-COMP	180 X4	
R1 ,2			RK73GB1J562J	CHIP R	5.6K	J 1/16W
R3 ,4			RK73GB1J101J	CHIP R	100	J 1/16W
R5 ,6			RK73GB1J471J	CHIP R	470	J 1/16W
R7 -10			RK73GB1J472J	CHIP R	4.7K	J 1/16W
R11 ,12			RK73GB1J471J	CHIP R	470	J 1/16W
R20			RD14NB2E4R7J	RD	4.7	J 1/4W
R21			RK73GB1J221J	CHIP R	220	J 1/16W
R31 ,32			RK73GB1J820J	CHIP R	82	J 1/16W
R33			RK73GB1J471J	CHIP R	470	J 1/16W
R34			RD14NB2E4R7J	RD	4.7	J 1/4W
R35			RK73GB1J471J	CHIP R	470	J 1/16W
R36			RD14NB2E4R7J	RD	4.7	J 1/4W
R37			RK73GB1J471J	CHIP R	470	J 1/16W
R38			RD14NB2E4R7J	RD	4.7	J 1/4W
R41 ,42			RK73GB1J105J	CHIP R	1.0M	J 1/16W
R43 -45			RK73GB1J221J	CHIP R	220	J 1/16W
R54			RK73GB1J183J	CHIP R	18K	J 1/16W

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## PARTS LIST

KRF-V5050D/V5550D/V6050D/V7050D/X9050D

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R55 -57			RK73GB1J220J	CHIP R 22 J 1/16W		
R58			RK73GB1J221J	CHIP R 220 J 1/16W		
R59			RK73GB1J220J	CHIP R 22 J 1/16W		
R66			RK73GB1J104J	CHIP R 100K J 1/16W		
R67			RK73GB1J103J	CHIP R 10K J 1/16W		
R68			RK73GB1J221J	CHIP R 220 J 1/16W		
R101,102			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R103,104			RK73GB1J104J	CHIP R 100K J 1/16W		
R107,108			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R109,110			RK73GB1J103J	CHIP R 10K J 1/16W		
R111,112			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R113,114			RK73GB1J221J	CHIP R 220 J 1/16W		
R121-124			RK73GB1J103J	CHIP R 10K J 1/16W		
R125,126			RK73GB1J101J	CHIP R 100 J 1/16W		
R127,128			RK73GB1J242J	CHIP R 2.4K J 1/16W		
R141-146			RK73GB1J1R0J	CHIP R 1 J 1/16W		
R151-156			RK73GB1J100J	CHIP R 10 J 1/16W		
R157,158			RK73GB1J221J	CHIP R 220 J 1/16W		
R159-164			RK73GB1J101J	CHIP R 100 J 1/16W		
R165			RK73GB1J392J	CHIP R 3.9K J 1/16W		
R166			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R168,169			RK73FB2A1R0J	CHIP R 1 J 1/10W		
R170,171			RK73GB1J471J	CHIP R 470 J 1/16W		
R172,173			RK73GB1J101J	CHIP R 100 J 1/16W		
R201,202			RK73GB1J332J	CHIP R 3.3K J 1/16W		
R203,204			RK73GB1J104J	CHIP R 100K J 1/16W		
R207,208			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R209,210			RK73GB1J272J	CHIP R 2.7K J 1/16W		
R211,212			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R213,214			RK73GB1J221J	CHIP R 220 J 1/16W		
R215,216			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R217,218			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R220			RK73GB1J103J	CHIP R 10K J 1/16W		
R251,252			RK73GB1J153J	CHIP R 15K J 1/16W		
R253,254			RK73GB1J223J	CHIP R 22K J 1/16W		
R255,256			RK73GB1J103J	CHIP R 10K J 1/16W		
R257,258			RK73GB1J223J	CHIP R 22K J 1/16W		
R259,260			RK73GB1J103J	CHIP R 10K J 1/16W		
R261,262			RK73GB1J223J	CHIP R 22K J 1/16W		
R263,264			RK73GB1J101J	CHIP R 100 J 1/16W		
R301			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R302			RK73GB1J153J	CHIP R 15K J 1/16W		
R303,304			RK73GB1J104J	CHIP R 100K J 1/16W		
R307			RK73GB1J222J	CHIP R 2.2K J 1/16W		
R308			RK73GB1J183J	CHIP R 18K J 1/16W		
R309,310			RK73GB1J103J	CHIP R 10K J 1/16W		
R311			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R312			RK73GB1J562J	CHIP R 5.6K J 1/16W		
R313			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R314			RK73GB1J221J	CHIP R 220 J 1/16W		
R401-405			RK73GB1J471J	CHIP R 470 J 1/16W		
R407,408			RK73GB1J471J	CHIP R 470 J 1/16W		
R411			RK73GB1J471J	CHIP R 470 J 1/16W		
R449			RS14KB3D180J	FL-PROOF RS 18 J 2W		
R451			R92-1945-05	METAL GLAZE 1 J 1/4W		

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R452			RD14NB2E1R0J	RD 1 J 1/4W		
R453			RD14NB2E4R7J	RD 4.7 J 1/4W		
R454			RS14KB3D180J	FL-PROOF RS 18 J 2W		
R459			R92-1993-05	METAL GLAZE 560 J 1/4W		
R460			RK73GB1J223J	CHIP R 22K J 1/16W		
R461			R92-1993-05	METAL GLAZE 560 J 1/4W		
R462			RK73GB1J223J	CHIP R 22K J 1/16W		
R491,492			RK73GB1J221J	CHIP R 220 J 1/16W		
R493			RK73GB1J473J	CHIP R 47K J 1/16W		
R494			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R495			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R496			RK73GB1J152J	CHIP R 1.5K J 1/16W		
R501			RK73GB1J221J	CHIP R 220 J 1/16W		
R502,503			RK73GB1J473J	CHIP R 47K J 1/16W		
R505			RK73GB1J103J	CHIP R 10K J 1/16W		
R514			RK73GB1J101J	CHIP R 100 J 1/16W		
R515			RK73GB1J221J	CHIP R 220 J 1/16W		
R516			RK73GB1J103J	CHIP R 10K J 1/16W		
R517			RK73GB1J221J	CHIP R 220 J 1/16W		
R518			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R519			RK73GB1J221J	CHIP R 220 J 1/16W		
R520,521			RK73GB1J103J	CHIP R 10K J 1/16W		
R522,523			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R524			RK73GB1J333J	CHIP R 33K J 1/16W		
R527			RK73GB1J103J	CHIP R 10K J 1/16W		
R528,529			RK73GB1J221J	CHIP R 220 J 1/16W		
R532-536			RK73GB1J221J	CHIP R 220 J 1/16W		
R601-603			RK73GB1J221J	CHIP R 220 J 1/16W		
R605			RK73GB1J103J	CHIP R 10K J 1/16W		
R614			RK73GB1J101J	CHIP R 100 J 1/16W		
R615			RK73GB1J221J	CHIP R 220 J 1/16W		
R616			RK73GB1J103J	CHIP R 10K J 1/16W		
R617			RK73GB1J221J	CHIP R 220 J 1/16W		
R618			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R619			RK73GB1J221J	CHIP R 220 J 1/16W		
R620,621			RK73GB1J103J	CHIP R 10K J 1/16W		
R622,623			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R624			RK73GB1J333J	CHIP R 33K J 1/16W		
R627			RK73GB1J103J	CHIP R 10K J 1/16W		
R628,629			RK73GB1J221J	CHIP R 220 J 1/16W		
R652			RK73GB1J223J	CHIP R 22K J 1/16W		
R653			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R654			RK73GB1J103J	CHIP R 10K J 1/16W		
R655			RK73GB1J223J	CHIP R 22K J 1/16W		
R656			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R657			RK73GB1J103J	CHIP R 10K J 1/16W		
R658			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R660			RD14NB2E561J	RD 560 J 1/4W		
R661			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R662,663		*	R92-4558-05	METAL GLAZE 47 J 1/4W		
R701,702			RK73GB1J473J	CHIP R 47K J 1/16W		
R703,704			RK73GB1J103J	CHIP R 10K J 1/16W		
R705,706			RK73GB1J472J	CHIP R 4.7K J 1/16W		
R707,708			RK73GB1J474J	CHIP R 470K J 1/16W		
R709,710			RK73GB1J473J	CHIP R 47K J 1/16W		

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R711,712 R713,714 R715,716 R801,802 R803,804			RK73GB1J221J RK73GB1J102J RK73GB1J103J RK73GB1J473J RK73GB1J103J	CHIP R 220 J 1/16W CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W CHIP R 47K J 1/16W CHIP R 10K J 1/16W		9 9
R805,806 R807,808 R809,810 R811,812 R813,814			RK73GB1J472J RK73GB1J474J RK73GB1J473J RK73GB1J221J RK73GB1J102J	CHIP R 4.7K J 1/16W CHIP R 470K J 1/16W CHIP R 47K J 1/16W CHIP R 220 J 1/16W CHIP R 1.0K J 1/16W		9 9
R815,816 R817,818 R901,902 R903,904 R905			RK73GB1J473J RK73GB1J103J RK73GB1J473J RK73GB1J103J RK73GB1J472J	CHIP R 47K J 1/16W CHIP R 10K J 1/16W CHIP R 47K J 1/16W CHIP R 10K J 1/16W CHIP R 4.7K J 1/16W		9
R906 R907 R908 R909,910 R911,912			RK73GB1J911J RK73GB1J474J RK73GB1J103J RK73GB1J473J RK73GB1J221J	CHIP R 910 J 1/16W CHIP R 470K J 1/16W CHIP R 10K J 1/16W CHIP R 47K J 1/16W CHIP R 220 J 1/16W		9
R913,914 R915,916			RK73GB1J102J RK73GB1J103J	CHIP R 1.0K J 1/16W CHIP R 10K J 1/16W		9
D1 D1 D1 D2 D2			DAN202U MA142WK 1SS301 DAP202U MA142WA	DIODE DIODE DIODE DIODE DIODE		
D2 D3 D3 D3 D6			1SS300 DAN202U MA142WK 1SS301 MA111	DIODE DIODE DIODE DIODE DIODE		
Δ D41 D42 ,43 D42 ,43 D44 D44		*	D2SBA20F03 HZU5.6(B2) UDZ5.6B HZU3.9(B2) UDZ3.9B	DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D45 D45 D46 D46 D47		*	HZU3.9(B2) UDZ3.9B HZU5.1(B2) UDZ5.1B MA111	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE		9 9
D67 D67 D151,152 D151,152 IC1		*	HZU5.1(B2) UDZ5.1B HZU7.5(B2) UDZ7.5B NJM4565M	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ANALOGUE IC		
IC1 IC2 IC4 IC5 IC6		*	NJM4565MD AK4527B-VQ TC7WU04FU AK4112AVF TC7WH123FU	IC(OP AMP X2) MOS-IC MOS-IC MOS-IC MOS-IC		
IC11 IC11			NJM4565M NJM4565MD	ANALOGUE IC IC(OP AMP X2)		

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IC12 IC13 IC13 IC14 IC15			NJU7311AM NJM4565M NJM4565MD NJU7311AM M62446FP	MOS-IC ANALOGUE IC IC(OP AMP X2) MOS-IC ANALOGUE IC		5679
IC21 IC21 IC31 IC31 IC41			NJM4565M NJM4565MD NJM4565M NJM4565MD TC74HC07AF	ANALOGUE IC IC(OP AMP X2) ANALOGUE IC IC(OP AMP X2) MOS-IC		
Δ IC42 Δ IC45 Δ IC46 Δ IC47 Δ IC48			TC74HCT7007AF BA05T BA033LBSG XC62EP2502MR XC62EP2502MR	MOS-IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC		9
IC51 IC61 IC70 IC70 IC80		*	CS493263-CLR CS493302-CLR NJM4565M NJM4565MD NJM4565M	MOS-IC MOS-IC ANALOGUE IC IC(OP AMP X2) ANALOGUE IC		9
IC80 IC90 IC90 Q1 Q1			NJM4565MD NJM4565M NJM4565MD DTC124EUA UN5212	IC(OP AMP X2) ANALOGUE IC IC(OP AMP X2) DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Δ Q15 Δ Q16 Q41 Q41 Q42			2SD1664(Q,R) 2SB1132(Q,R) 2SC4081(R,S) 2SD1819A(Q,R) 2SA1576A(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q42 Q47 Q48 Q49 ,50 Q49 ,50			2SB1218A(Q,R) 2SB1375 2SB1375 DTC124EUA UN5212	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		9
Q65 Q65 Q66 Q66 Q71 ,72			DTA124EUA UN5112 DTA124EUA UN5112 2SC4213(B)	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		9 9
Q73 ,74 Q81 ,82 Q83 ,84 Q91 ,92 Q93 ,94			2SC4213(B) 2SC4213(B) 2SC4213(B) 2SC4213(B) 2SC4213(B)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		9 9 9
A1 A2 A3		*	W02-2802-05 W02-2802-05 W02-2803-05	OPTIC RECEIVING MODULE OPTIC RECEIVING MODULE OSCILLATING MODULE		79 9
<b>DISPLAY UNIT (X14-725X/726X-XX)</b>						
D1 -4 D5 ,6			B30-2545-05 B30-2545-05	LED(RED3(160)) LED(RED3(160))		79
C1 C10 -12 C13 ,14			CE04RW0J470M CK45FF1H103Z CK73GB1H103K	ELECTRO 47UF CERAMIC 0.010UF CHIP C 0.010UF	6.3WV Z K	

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KRF-V5050D/V5550D/V6050D/V7050D/X9050D  
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C15 ,16 C17 -21 C22 ,23 C24 C26			CK45FF1H103Z CC45FSL1H101J CQ93FMG1H471J CE04HW1H100M CC45FSL1H101J	CERAMIC 0.010UF Z CERAMIC 100PF J MYLAR 470PF J NP-ELEC 10UF 50WV CERAMIC 100PF J		79 679
C27 C28 C29 C30 C31 ,32			CE04RW1A101M CE04KW1V470M CE04RW1H330M CQ93FMG1H471J CE04RW1H010M	ELECTRO 100UF 10WV ELECTRO 47UF 35WV ELECTRO 33UF 50WV MYLAR 470PF J ELECTRO 1.0UF 50WV		679
C100-105 C106 C106 C107 C107			CC45FSL1H221J CE04RW1V2R2M CE04RW1V2R2M CC73GCH1H271J CC73GCH1H271J	CERAMIC 220PF J ELECTRO 2.2UF 35WV ELECTRO 2.2UF 35WV CHIP C 270PF J CHIP C 270PF J	ET E2E3T2 ET E2E3T2	9 5679 5 5679 5
C108 C110 C111 C112,113 C114			CK73GB1H103K CE04KW1A470M CK73GB1H103K CC45FCH1H270J CC45FSL1H101J	CHIP C 0.010UF K ELECTRO 47UF 10WV CHIP C 0.010UF K CERAMIC 27PF J CERAMIC 100PF J	ET ET ET ET ET	679 679 679 679 679
C115 C125 C125 C201 C202			CK73GB1H103K CK45FB1H561K CK45FB1H561K CC45FSL1H221J CQ93FMG1H103J	CHIP C 0.010UF K CERAMIC 560PF K CERAMIC 560PF K CERAMIC 220PF J MYLAR 0.010UF J	ET E2E3T2	5679 5
C203 C204 C205,206 C207,208 C209,210			CE04PW1E470M CC45FSL1H101J CQ93FMG1H102J CK73GB1H102K CC45FSL1H470J	ELECTRO 47UF 25WV CERAMIC 100PF J MYLAR 1000PF J CHIP C 1000PF K CERAMIC 47PF J	YMI	9 679
C211 C212 C213 C214 C215			CE04PW1E470M CC45FSL1H470J CE04PW1E470M CC45FSL1H470J CE04PW1E470M	ELECTRO 47UF 25WV CERAMIC 47PF J ELECTRO 47UF 25WV CERAMIC 47PF J ELECTRO 47UF 25WV		79
C216 C217 C218 C219 C229,230			CC45FSL1H470J CE04PW1E470M CC45FSL1H470J CC45FSL1H470J CE04PW1H100M	CERAMIC 47PF J ELECTRO 47UF 25WV CERAMIC 47PF J CERAMIC 47PF J ELECTRO 10UF 50WV		79 9
C243,244 C245 C246 C247,248 C249,250			CC73GCH1H101J CK73GB1H103K CC45FSL1H221J CQ93FMG1H103J CK73GB1H103K	CHIP C 100PF J CHIP C 0.010UF K CERAMIC 220PF J MYLAR 0.010UF J CHIP C 0.010UF K		
C254 C255 C256 C257 C258			CE04RW1H2R2M CK73GB1H103K CQ93FMG1H103J CC73GCH1H101J CK73GB1H103K	ELECTRO 2.2UF 50WV CHIP C 0.010UF K MYLAR 0.010UF J CHIP C 100PF J CHIP C 0.010UF K	YMI YMI YMI YMI	
C259 C261 C262 C263-265 C284			CE04PW1A101M C90-1826-05 CE04PW1H010M CK73GB1H103K CQ93FMG1H103J	ELECTRO 100UF 10WV BACKUP-C 0.047F 5.5WV ELECTRO 1UF 50WV CHIP C 0.010UF K MYLAR 0.010UF J		6789 6789

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C401-408 C409-412 C413,414 C415 C416			CC73GCH1H470J CC73GCH1H470J CK73GB1H103K CK73GB1H103K CK45FF1H103Z	CHIP C 47PF J CHIP C 47PF J CHIP C 0.010UF K CHIP C 0.010UF K CERAMIC 0.010UF Z		67 7 67 7 7
C417 C418,419 C420,421 C422 C424,425			CK73GB1H103K CE04KW1E470M CE04KW1E470M CE04KW1E470M CE04KW1V100M	CHIP C 0.010UF K ELECTRO 47UF 25WV ELECTRO 47UF 25WV ELECTRO 47UF 25WV ELECTRO 10UF 35WV		67 67 7 67 67
C501 C503-505 C510-515 C518 C539-542			CC45FSL1H101J CC45FSL1H101J CC45FSL1H101J CC73GCH1H101J CE04PW1H100M	CERAMIC 100PF J CERAMIC 100PF J CERAMIC 100PF J CHIP C 100PF J ELECTRO 10UF 50WV		679
CN1 CN2 CN3 CN100 CN101			E40-8504-05 E40-3247-05 E40-8477-05 E40-9825-05 E40-8429-05	FLAT CABLE CONNECTOR PIN ASSY FLAT CABLE CONNECTOR SOCKET FOR PIN ASSY SOCKET FOR PIN ASSY		679 9
CN201 CN202 CN203 CN204 CN205			E40-8483-05 E40-8488-05 E40-8483-05 E40-8504-05 E40-9833-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR SOCKET FOR PIN ASSY		679
CN206 CN401 J1 J2 J3		*	E40-4721-05 E40-8483-05 E11-0272-05 E63-1172-05 E56-0033-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PHONE JACK PIN JACK CYLINDRICAL RECEPTACLE		679 67
J100 J200 J201 J202 J203		*	E63-1139-05 E11-0293-05 E63-0127-05 E63-0130-05 E63-0069-05	PIN JACK MINIATURE PHONE JACK(2P) PIN JACK PIN JACK PIN JACK		9 79 9 568
J204 J401,402 J403,404			E63-0130-05 E56-0011-05 E56-0023-05	PIN JACK CYLINDRICAL RECEPTACLE CYLINDRICAL RECEPTACLE		568 7 6
- E1 E4			J19-5928-13 J11-0808-05 J11-0808-05	HOLDER WIRE CLAMPER WIRE CLAMPER		679
L1 X100 X100 X200			L92-0017-05 L77-2002-05 L77-2002-05 L78-0725-05	FERRITE CORE CRYSTAL RESONATOR(4.332MHZ) CRYSTAL RESONATOR(4.332MHZ) RESONATOR (8.38MHZ)	ET E2E3T2	679 5679 5
CP200 CP201,202 CP203 CP205 CP206			R90-0802-05 R90-0500-05 R90-0855-05 R90-0802-05 R90-0482-05	MULTI-COMP 100KX10 J 1/4W MULTI-COMP 100KX6 J 1/4W MULTI-COMP 100KX5 J MULTI-COMP 100KX10 J 1/4W MULTI-COMP 100KX4 J 1/6W		
R2 R6 ,7 R28 R30			RK73GB1J563J RD14BB2C471J RD14BB2C103J RD14BB2C103J	CHIP R 56K J 1/16W RD 470 J 1/6W RD 10K J 1/6W RD 10K J 1/6W		79 79 79 79

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KRF-V5050D/V5550D/V6050D/V7050D/X9050D

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R32 ,33			RD14BB2C101J	RD 100 J 1/6W		568
R40			RD14BB2C750J	RD 75 J 1/6W		679
R50 ,51			RD14BB2C101J	RD 100 J 1/6W		679
R52 ,53			RD14BB2C104J	RD 100K J 1/6W		679
R54			RD14BB2C101J	RD 100 J 1/6W		679
R55			RD14BB2C820J	RD 82 J 1/6W		679
R56			RD14BB2C750J	RD 75 J 1/6W		679
R65			RD14BB2C1R0J	RD 1 J 1/6W		
R66			RD14NB2E2R2J	RD 2.2 J 1/4W		
R67 ,68			RD14BB2C101J	RD 100 J 1/6W		679
R100-105			RD14BB2C470J	RD 47 J 1/6W		9
R106-111			RD14BB2C104J	RD 100K J 1/6W		9
R112-117			RD14BB2C221J	RD 220 J 1/6W		9
R118-123			RD14BB2C102J	RD 1.0K J 1/6W		9
R124			RD14BB2C473J	RD 47K J 1/6W	ET	5679
R124			RD14BB2C473J	RD 47K J 1/6W	E2E3T2	5
R125			RD14BB2C1R0J	RD 1 J 1/6W	ET	5679
R125			RD14BB2C1R0J	RD 1 J 1/6W	E2E3T2	5
R209			RD14BB2C101J	RD 100 J 1/6W		9
R210			RD14BB2C512J	RD 5.1K J 1/6W		9
R217			RD14BB2C820J	RD 82 J 1/6W		79
R220			RD14BB2C680J	RD 68 J 1/6W		9
R221			RD14BB2C104J	RD 100K J 1/6W		9
R223,224			RD14BB2C221J	RD 220 J 1/6W		679
R229,230			RD14BB2C1R0J	RD 1 J 1/6W		
R231			RK73GB1J101J	CHIP R 100 J 1/16W		
R232			RK73GB1J103J	CHIP R 10K J 1/16W		
R233			RK73GB1J101J	CHIP R 100 J 1/16W		
R239			RK73GB1J221J	CHIP R 220 J 1/16W		
R240-242			RK73GB1J101J	CHIP R 100 J 1/16W		
R243-247			RK73GB1J221J	CHIP R 220 J 1/16W		
R251-255			RK73GB1J101J	CHIP R 100 J 1/16W		
R256			RK73GB1J104J	CHIP R 100K J 1/16W		
R260			RD14NB2E222J	RD 2.2K J 1/4W		
R262,263			RK73GB1J102J	CHIP R 1.0K J 1/16W	YMI	
R264			RK73GB1J103J	CHIP R 10K J 1/16W		
R265			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R266			RK73GB1J104J	CHIP R 100K J 1/16W		
R267,268			RK73GB1J103J	CHIP R 10K J 1/16W		
R269			RK73GB1J102J	CHIP R 1.0K J 1/16W		
R288			RK73GB1J101J	CHIP R 100 J 1/16W		
R295			RD14BB2C103J	RD 10K J 1/6W	X	5679
R296			RD14BB2C2R2J	RD 2.2 J 1/6W		67
R297-299			RK73GB1J221J	CHIP R 220 J 1/16W		
R301			RD14BB2C432J	RD 4.3K J 1/6W		9
R302			RD14BB2C822J	RD 8.2K J 1/6W		9
R303			RD14BB2C122J	RD 1.2K J 1/6W		9
R304,305			RK73GB1J101J	CHIP R 100 J 1/16W		
R310			RK73GB1J104J	CHIP R 100K J 1/16W	XTE	9
R310			RK73GB1J104J	CHIP R 100K J 1/16W	Y	
R311,312			RK73GB1J104J	CHIP R 100K J 1/16W		
R315,316			RK73GB1J104J	CHIP R 100K J 1/16W		67
R401,402			RK73GB1J104J	CHIP R 100K J 1/16W		67
R403,404			RK73GB1J820J	CHIP R 82 J 1/16W		67
R405,406			RK73GB1J104J	CHIP R 100K J 1/16W		67

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R407,408			RK73GB1J820J	CHIP R 82 J 1/16W		67
R409-412			RK73GB1J820J	CHIP R 82 J 1/16W		7
R413			RK73GB1J680J	CHIP R 68 J 1/16W		7
R414			RD14BB2C680J	RD 68 J 1/6W		7
R415,416			RK73GB1J680J	CHIP R 68 J 1/16W		7
R417			RD14BB2C472J	RD 4.7K J 1/6W		7
R419,420			RD14BB2C4R7J	RD 4.7 J 1/6W		7
R421,422			RK73GB1J1R0J	CHIP R 1 J 1/16W		6
R423			RK73GB1J1R0J	CHIP R 1 J 1/16W		7
R424,425			RK73GB1J1R0J	CHIP R 1 J 1/16W		6
S1 -13			S70-0031-05	TACT SWITCH		
S1 -13			S70-0086-05	TACT SWITCH		
S17 ,18			S70-0031-05	TACT SWITCH		568
S17 ,18			S70-0086-05	TACT SWITCH		568
S100			S68-0107-05	PUSH SWITCH		
S200			S62-0034-05	SLIDE SWITCH	YMI	
S14			T99-0630-05	ROTARY ENCODER		
S15			T99-0602-05	ROTARY ENCODER		
S16			T99-0630-05	ROTARY ENCODER		79
D7			HZS6.2N(B2)	ZENER DIODE		
D7			MTZJ6.2(B)	ZENER DIODE		
D7			RD6.2ES(B)	ZENER DIODE		
D9 -11			HSS104A	DIODE		
D9 -11			1SS133	DIODE		
D12 -15			HSS104A	DIODE		679
D12 -15			1SS133	DIODE		679
D200-207			HSS104A	DIODE		
D200-207			1SS133	DIODE		
D209,210			HZS5.6N(B2)	ZENER DIODE		
D209,210			MTZJ5.6(B)	ZENER DIODE		
D209,210			RD5.6ES(B)	ZENER DIODE		
D211			HSS104A	DIODE	YMI	
D211			1SS133	DIODE	YMI	
D212,213			RB721Q	DIODE		
D214-216			HSS104A	DIODE		
D214-216			1SS133	DIODE		
D220,221			HSS104A	DIODE		9
D220,221			1SS133	DIODE		9
D401			HSS104A	DIODE		67
D401			1SS133	DIODE		
ED2			HNA-11MS24	FLUORESCENT INDICATOR TUBE		
ED2			11-MT-125GK	FLUORESCENT INDICATOR TUBE		
IC1			UPD16311	MOS-IC		
IC100			BU1923	ANALOGUE IC	ET	5679
IC100			BU1923	ANALOGUE IC	E2E3T2	5
IC200		*	MN101C49GLE	MI-COM IC		568
IC200		*	MN101C49HLD	MI-COM IC		9
IC200		*	MN101C49HLF	MI-COM IC		7
IC201			NJM2279D	ANALOGUE IC		
IC202			NJU4052BD	IC(4CH MPX/DE-MPX)		679
IC202			TC74HC4052AP	IC(ANALOG MULTIPLEXER)		679
IC204			S-80840ANY	ANALOGUE IC		
IC205			S-80840ANY	ANALOGUE IC		
IC207			XC62FP5102P	ANALOGUE IC	YMI	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
IC401,402 IC403 Q1 Q1 Q100-105			NJM2279M TC74HC4052AF KTC3199(Y,GR) 2SC1740S(Q,R) 2SC2878(B)	ANALOGUE IC MOS-IC TRANSISTOR TRANSISTOR TRANSISTOR		67 7   9
Q200,201 Q200,201 Q202 Q202 Q203			KTC3199(Y,GR) 2SC1740S(Q,R) KTA1273 2SA1534A(R,S) 2SC3940A(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		9 9  9
Q203 Q204 Q204 Q205 Q205			2SD1768S KTC3199(Y,GR) 2SC1740S(Q,R) KTA1267(Y,GR) 2SA933AS(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q401 Q401			DTC124ESA UN4212	DIGITAL TRANSISTOR DIGITAL TRANSISTOR		6 6
A2			W02-2625-05	OPTIC RECEIVING MODULE		
VIDEO UNIT (X35-2252-71)						
C1 -12 C13 -17 C18 -21 C22 C31			CC45FSL1H470J CK45FF1H103Z CE04PW1C470M CE04PW1E470M CK45FF1H103Z	CERAMIC 47PF CERAMIC 0.010UF ELECTRO 47UF ELECTRO 47UF CERAMIC 0.010UF	J Z 16WV 25WV Z	
C32 ,33 C53 ,54 C101 C102 C103			CE04LW1V100M CE04LW1V100M CC45FSL1H470J CE04PW1E470M CC45FSL1H470J	ELECTRO 10UF ELECTRO 10UF CERAMIC 47PF ELECTRO 47UF CERAMIC 47PF	35WV 35WV J 25WV J	
C104 C105 C106 C107 C108			CE04PW1E470M CC45FSL1H470J CE04PW1E470M CC45FSL1H470J CE04PW1E470M	ELECTRO 47UF CERAMIC 47PF ELECTRO 47UF CERAMIC 47PF ELECTRO 47UF	25WV J 25WV J 25WV	
C109 C110 C111 C112 C121-123			CC45FSL1H470J CE04PW1E470M CC45FSL1H470J CE04PW1E470M CC45FSL1H470J	CERAMIC 47PF ELECTRO 47UF CERAMIC 47PF ELECTRO 47UF CERAMIC 47PF	J 25WV J 25WV J	
C131-133 C141,142 C143			CK45FF1H103Z CE04LW1V100M CK45FF1H103Z	CERAMIC 0.010UF ELECTRO 10UF CERAMIC 0.010UF	Z 35WV Z	
CN1 J1 ,2 J11 J11 J11			E40-8483-05 E56-0011-05 E63-1193-05 E63-1195-05 E63-1197-05	FLAT CABLE CONNECTOR CYLINDRICAL RECEPTACLE PIN JACK PIN JACK PIN JACK		
J12 J12 J12			E63-1194-05 E63-1196-05 E63-1198-05	PIN JACK PIN JACK PIN JACK		
E1			J11-0809-05	WIRE CLAMPER		
R31 ,32			RD14NB2E4R7J	RD	4.7	J 1/4W

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R51 ,52 R141,142			RS14KB3D220J RD14NB2E4R7J	FL-PROOF RS 22 J 2W RD 4.7 J 1/4W		
D51 ,52 D51 ,52 D51 ,52 D51 ,52 D51 ,52			HZS5.6N(B2) MTZJ5.6 MTZJ5.6(B) RD5.6ES(B) RD5.6ES(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D101-103 D101-103 D101-103 IC1 ,2 IC3			HSS104 HSS104A 1SS133 NJM2279D NJU4052BD	DIODE DIODE DIODE ANALOGUE IC IC(4CH MPX/DE-MPX)		
IC3 IC11-13 Q51 Q52 Q101			TC74HC4052AP NJM2279D 2SD2525 2SB1640 DTC124ESA	IC(ANALOG MULTIPLEXER) ANALOGUE IC TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q101			UN4212	DIGITAL TRANSISTOR		

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HOW TO READ THE PARTS LIST  
ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	ABB.	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
KRF-V5050D		-	-	-	T	E	-	-	-
KRF-V5050DE	5	-	-	-	-	E3	-	-	-
KRF-V5050D-S		X	-	-	T2	E2	-	-	I
KRF-V5550D-S	8	-	-	-	-	-	-	-	-
KRF-V6050D		-	-	-	-	E	-	-	-
KRF-V6050D-S	6	X	-	-	-	-	-	-	I
KRF-V7050D		-	-	-	T	E	-	-	-
KRF-V7050D-S	7	X	-	-	-	-	-	-	I
KRF-X9050D		-	-	-	T	E	-	-	-
KRF-X9050D-S	9	X	-	-	-	-	-	-	I
MODEL	ABB.	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	
KRF-V5050D		-	Y	-	-	-	-	-	-
KRF-V5050DE	5	-	-	-	-	-	-	-	-
KRF-V5050D-S		-	-	-	-	-	-	M	-
KRF-V5550D-S	8	-	Y	-	-	-	-	M	-
KRF-V6050D		-	Y	-	-	-	-	-	-
KRF-V6050D-S	6	-	-	-	-	-	-	M	-
KRF-V7050D		-	Y	-	-	-	-	-	-
KRF-V7050D-S	7	-	-	-	-	-	-	M	-
KRF-X9050D		-	Y	-	-	-	-	-	-
KRF-X9050D-S	9	-	-	-	-	-	-	M	-

PARTS LIST

# KRF-V5050D/V5550D/V6050D/V7050D/X9050D

## SPECIFICATIONS

### For Europe

#### AUDIO section (KRF-V6050D)

Rated power output during STEREO operation	
DIN/IEC (DIN 1kHz, 0.7% T.H.D., at 6 $\Omega$ )	110 W + 110 W
Effective power output during SURROUND operation	
FRONT (1kHz, 0.7% T.H.D. at 6 $\Omega$ , one channel driven)	100 W + 100 W
CENTER (1kHz, 0.7% T.H.D. at 6 $\Omega$ , one channel driven)	100 W
SURROUND (1kHz, 0.7% T.H.D. at 6 $\Omega$ , one channel driven)	100 W + 100 W
Total harmonic distortion	0.050% (1 kHz, 50W, 6 $\Omega$ )
Frequency response (IHF '66)	
CD	10 Hz ~ 60 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
PHONO (MM)	74 dB
CD	90 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 27 k $\Omega$
CD	200 mV / 47 k $\Omega$
VIDEO2/MONITOR	200 mV / 47 k $\Omega$
DVD/6ch INPUT	200 mV / 10 k $\Omega$
Output level / impedance	
TAPE REC	200 mV / 1 k $\Omega$
VIDEO2/MONITOR	200 mV / 1 k $\Omega$
PRE OUT (SUBWOOFER)	1.5 V / 2.2 k $\Omega$
Tone control	
BASS	$\pm 10$ dB (at 70 Hz)
TREBLE	$\pm 10$ dB (at 10 kHz)

#### AUDIO section (KRF-V5050D)

Rated power output during STEREO operation	
DIN/IEC (DIN 1 kHz, 0.7% T.H.D., 6 $\Omega$ )	110 W + 110 W
Effective power output during SURROUND operation	
FRONT (1kHz, 0.7% T.H.D. at 6 $\Omega$ , one channel driven)	100 W + 100 W
CENTER (1kHz, 0.7% T.H.D. at 6 $\Omega$ , one channel driven)	100 W
SURROUND (1kHz, 0.7% T.H.D. at 6 $\Omega$ , one channel driven)	100 W + 100 W
Total harmonic distortion	0.050% (1 kHz, 50W, 6 $\Omega$ )
Frequency response (IHF '66)	
CD	40 Hz ~ 60 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
PHONO (MM)	74 dB
CD	90 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 27 k $\Omega$
CD	200 mV / 47 k $\Omega$
MONITOR IN (VIDEO2/MONITOR)	200 mV / 47 k $\Omega$
DVD/6ch INPUT	200 mV / 47 k $\Omega$
Output level / impedance	
TAPE REC	200 mV / 1 k $\Omega$
MONITOR OUT (VIDEO2/MONITOR)	200 mV / 1 k $\Omega$
PRE OUT (SUBWOOFER)	1.5 V / 2.2 k $\Omega$
Tone control	
BASS	$\pm 10$ dB (at 70 Hz)
TREBLE	$\pm 10$ dB (at 10 kHz)

#### DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96kHz
Input level / impedance / wave length	
Optical	(-15 dBm ~ -21 dBm), 660 nm $\pm 30$ nm
Coaxial	0.5 Vp-p / 75 $\Omega$

#### VIDEO section

VIDEO inputs / outputs	
VIDEO (composite)	1 Vp-p / 75 $\Omega$
S-VIDEO inputs / outputs (KRF-V6050D)	
S-VIDEO (luminance signal)	1 Vp-p / 75 $\Omega$
(chrominance signal)	0.286 Vp-p / 75 $\Omega$

#### FM tuner section

Tuning frequency range	87.5 MHz ~ 108 MHz
Usable sensitivity (DIN at 75 $\Omega$ )	
MONO	1.3 $\mu$ V/13.2 dBf (40 kHz dev. S/N 26 dB)
STEREO	45 $\mu$ V/42.1 dBf (46 kHz dev. S/N 46 dB)
Total harmonic distortion (1 kHz)	
MONO	0.2% (71.2 dBf input)
STEREO	0.8% (71.2 dBf input)
Signal to noise ratio (DIN weighted)	
MONO	65 dB (40 kHz dev. 71.2 dBf input)
STEREO	60 dB (46 kHz dev. 71.2 dBf input)
Stereo separation (DIN 1 kHz)	36 dB
Selectivity (DIN $\pm 300$ kHz)	64 dB
Frequency response	(30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

#### AM tuner section

Tuning frequency range	531 kHz ~ 1,602 kHz
Usable sensitivity	16 $\mu$ V / (600 $\mu$ V/m)
Signal to noise ratio (30% mod. 1 mV input)	50 dB

#### GENERAL

Power consumption	250 W
AC outlet	
SWITCHED	(total 90 W max.)
Dimensions	W : 440 mm
	H : 143 mm
	D : 400 mm
Weight	
KRF-V6050D	8.6 kg
KRF-V5050D	8.5 kg

#### Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

# KRF-V5050D/V5550D/V6050D/V7050D/X9050D

## SPECIFICATIONS

### For other countries

#### AUDIO section (KRF-V6050D)

Effective power output during STEREO operation

1kHz, 10% T.H.D., at 8  $\Omega$  ..... 140 W + 140 W  
Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8  $\Omega$  from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 140 W + 140 W  
CENTER (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 140 W  
SURROUND (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 140 W + 140 W

Total harmonic distortion ..... 0.050% (1 kHz, 50W, 8  $\Omega$ )

Frequency response  
CD ..... 10 Hz ~ 60 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

PHONO (MM) ..... 74 dB  
CD ..... 90 dB

Input sensitivity / impedance

PHONO (MM) ..... 2.5 mV / 27 k $\Omega$   
CD ..... 200 mV / 47 k $\Omega$   
VIDEO2/MONITOR ..... 200 mV / 47 k $\Omega$   
DVD/6ch INPUT ..... 200 mV / 47 k $\Omega$

Output level / impedance

TAPE REC ..... 200 mV / 1 k $\Omega$   
VIDEO2/MONITOR ..... 200 mV / 1 k $\Omega$   
PRE OUT (SUBWOOFER) ..... 1.5 V / 2.2 k $\Omega$

Tone control

BASS .....  $\pm 10$  dB (at 70 Hz)  
TREBLE .....  $\pm 10$  dB (at 10 kHz)

#### AUDIO section (KRF-V5050D)

Effective power output during STEREO operation

(1 kHz, 10%, 8 $\Omega$ ) ..... 140 W + 140 W  
Rated power output during STEREO operation

100 watts channel minimum RMS, both channels driven, at 8  $\Omega$  from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 140 W + 140 W  
CENTER (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 140 W  
SURROUND (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 140 W + 140 W

Total harmonic distortion ..... 0.050% (1 kHz, 50W, 8  $\Omega$ )

Frequency response  
CD ..... 10 Hz ~ 60 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

PHONO (MM) ..... 74 dB  
CD, TUNER, AUX, TAPE ..... 90 dB

Input sensitivity / impedance

PHONO (MM) ..... 2.5 mV / 27 k $\Omega$   
CD ..... 200 mV / 47 k $\Omega$   
MONITOR IN (VIDEO2/MONITOR) ..... 200 mV / 47 k $\Omega$   
DVD/6ch INPUT ..... 200 mV / 10 k $\Omega$

Output level / impedance

TAPE REC ..... 200 mV / 1 k $\Omega$   
MONITOR OUT (VIDEO2/MONITOR) ..... 200 mV / 1 k $\Omega$   
PRE OUT (SUBWOOFER) ..... 1.5 V / 2.2 k $\Omega$

Tone control

BASS .....  $\pm 10$  dB (at 70 Hz)  
TREBLE .....  $\pm 10$  dB (at 10 kHz)

#### AUDIO section (KRF-V5550D)

Effective power output during SURROUND operation

(1kHz, 10%, 8 $\Omega$ ) ..... 110 W + 110 W

Rated power output during STEREO operation

80 watts per channel minimum RMS, both channels driven, at 8  $\Omega$  from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 130 W + 130 W

CENTER (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 130 W

SURROUND (1kHz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 130 W + 130 W

SUBWOOFER (80Hz, 10% T.H.D. at 8  $\Omega$  one channel driven) ..... 130 W

Total harmonic distortion ..... 0.050% (1 kHz, 40W, 8 $\Omega$ )

Frequency response

CD ..... 10 Hz ~ 60 kHz, +0 dB, -3.0 dB

Signal to noise ratio (IHF'66)

CD, TUNER, AUX, TAPE ..... 90 dB

Input sensitivity / impedance

CD ..... 200 mV / 47 k $\Omega$

MONITOR IN (VIDEO2/MONITOR) ..... 200 mV / 47 k $\Omega$

Output level / impedance

TAPE REC ..... 200 mV / 1 k $\Omega$

MONITOR OUT (VIDEO2/MONITOR) ..... 200 mV / 1 k $\Omega$

Tone control

BASS .....  $\pm 10$  dB (at 70 Hz)

TREBLE .....  $\pm 10$  dB (at 10 kHz)

#### DIGITAL AUDIO section

Sampling frequency ..... 32 kHz, 44.1 kHz, 48 kHz, 96kHz

Input level / impedance / wave length

Optical ..... (-15 dBm ~ -21 dBm), 660 nm  $\pm 30$ nm

Coaxial ..... 0.5 Vp-p / 75  $\Omega$

#### VIDEO section

VIDEO inputs / outputs

VIDEO (composite) ..... 1 Vp-p / 75  $\Omega$

S VIDEO inputs / outputs (KRF-V6050D)

S VIDEO (luminance signal) ..... 1 Vp-p / 75  $\Omega$

S VIDEO (chrominance signal) ..... 0.286 Vp-p / 75  $\Omega$

#### FM tuner section

Tuning frequency range ..... 87.5 MHz ~ 108 MHz

Usable sensitivity (MONO) ..... 1.6  $\mu$ V (75  $\Omega$ ) / 15.2 dBf (75 kHz DEV., SINAD 30 dB)

50dB quieting sensitivity

STEREO ..... 28  $\mu$ V (75 W) / 40.2 dBf

Total harmonic distortion (1 kHz)

MONO ..... 0.5% (71.2 dBf input)

STEREO ..... 0.7% (71.2 dBf input)

Signal to noise ratio (1 kHz, 75 kHz DEV.)

MONO ..... 75 dB (71.2 dBf input)

STEREO ..... 68 dB (71.2 dBf input)

Stereo separation (1 kHz) ..... 40 dB

Selectivity ( $\pm 400$  kHz) ..... 50 dB

Frequency response ..... (30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

#### AM tuner section

Tuning frequency range

9 kHz step ..... 531 kHz ~ 1,602 kHz

10 kHz step ..... 530 kHz ~ 1,610 kHz

Usable sensitivity ..... 16  $\mu$ V / (600  $\mu$ V/m)

Signal to noise ratio (30% mod. 1 mV input) ..... 50 dB

#### GENERAL

Power consumption

KRF-V6050D/V5050D ..... 270 W

KRF-V5550D ..... 200 W

AC outlet

SWITCHED ..... (total 90 W max.)

Dimensions ..... W : 440 mm

H : 143 mm

D : 400 mm

Weight (Net)

(KRF-V6050D/V5050D) ..... 9.3 kg

(KRF-V5550D) ..... 8.4 kg

#### Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

# KRF-V5050D/V5550D/V6050D/V7050D/X9050D

## SPECIFICATIONS

### For Europe

#### AUDIO section (KRF-V7050D)

Rated power output during STEREO operation	
DIN/IEC (DIN 1kHz, 0.7% T.H.D., at 6 Ω) .....	110 W + 110 W
Effective power output during SURROUND operation	
FRONT (63 Hz ~ 12.5kHz, 0.7% T.H.D. at 6 Ω, one channel driven) .....	100 W + 100 W
CENTER (63 Hz ~ 12.5kHz, 0.7% T.H.D. at 6 Ω, one channel driven) .....	100 W
SURROUND (63 Hz ~ 12.5kHz, 0.7% T.H.D. at 6 Ω, one channel driven) .....	100 W + 100 W
Total harmonic distortion .....	0.050% (1 kHz, 50W, 6 Ω)
Frequency response (IHF '66)	
CD .....	10 Hz ~ 60 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF '66)	
PHONO (MM) .....	75 dB
CD .....	91 dB
Input sensitivity / impedance	
PHONO (MM) .....	2.5 mV / 27 kΩ
CD .....	200 mV / 47 kΩ
MONITOR IN .....	200 mV / 47 kΩ
DVD/6ch INPUT .....	200 mV / 47 kΩ
Output level / impedance	
TAPE REC .....	200 mV / 1 kΩ
MONITOR OUT .....	200 mV / 1 kΩ
PRE OUT (SUBWOOFER) .....	1.5 V / 2.2 kΩ
Tone control	
BASS .....	±10 dB (at 70 Hz)
TREBLE .....	±10 dB (at 10 kHz)

#### DIGITAL AUDIO section

Sampling frequency .....	32 kHz, 44.1 kHz, 48 kHz, 96kHz
Input level / impedance / wave length	
Optical .....	(-15 dBm ~ -21 dBm), 660 nm ±30nm
Coaxial .....	0.5 Vp-p / 75 Ω

### For other countries

#### AUDIO section (KRF-V7050D)

Effective power output during STEREO operation	
1kHz, 10% T.H.D., at 8 Ω .....	140 W + 140 W
Rated power output during STEREO operation	
Effective power output during SURROUND operation	
FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven) .....	140 W + 140 W
CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven) .....	140 W
SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven) .....	140 W + 140 W
Total harmonic distortion .....	0.05 % (1 kHz, 50W, 8 Ω)
Frequency response	
CD .....	10 Hz ~ 60 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF '66)	
PHONO (MM) .....	73 dB
CD .....	91 dB
Input sensitivity / impedance	
PHONO (MM) .....	2.5 mV / 27 kΩ
CD .....	200 mV / 47 kΩ
VIDEO2/MONITOR .....	200 mV / 47 kΩ
DVD/6CH INPUT .....	200 mV / 10 kΩ
Output level / impedance	
TAPE REC .....	200 mV / 1 kΩ
VIDEO2/MONITOR .....	200 mV / 1 kΩ
PRE OUT (SUBWOOFER) .....	1.5 V / 2.2 kΩ
Tone control	
BASS .....	±10 dB (at 70 Hz)
TREBLE .....	±10 dB (at 10 kHz)

#### DIGITAL AUDIO section

Sampling frequency .....	32 kHz, 44.1 kHz, 48 kHz, 96kHz
Input level / impedance / wave length	
Optical .....	(-15 dBm ~ -21 dBm), 660 nm ±30nm
Coaxial .....	0.5 Vp-p / 75 Ω

#### Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

#### VIDEO section

VIDEO inputs / outputs	
VIDEO (composite) .....	1 Vp-p / 75 Ω
S-VIDEO inputs / outputs	
S-VIDEO (luminance signal) .....	1 Vp-p / 75 Ω
(chrominance signal) .....	0.286 Vp-p / 75 Ω

#### FM tuner section

Tuning frequency range .....	87.5 MHz ~ 108.0 MHz
Usable sensitivity (DIN at 75 Ω)	
MONO .....	1.3 μV/13.2 dBf (40 kHz dev. S/N 26 dB)
STEREO .....	45 μV/42.1 dBf (45 kHz dev. S/N 46 dB)
Total harmonic distortion (1 kHz)	
MONO .....	0.2% (65.2 dBf input)
STEREO .....	0.8% (65.2 dBf input)
Signal to noise ratio (DIN weighted)	
MONO .....	65 dB (40 kHz dev. 65.2 dBf input)
STEREO .....	60 dB (40 kHz dev. 65.2 dBf input)
Stereo separation (DIN 1 kHz) .....	36 dB
Selectivity (DIN ± 300 kHz) .....	64 dB
Frequency response .....	(30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

#### MW tuner section

Tuning frequency range .....	531 kHz ~ 1,602 kHz
Usable sensitivity .....	16 μV / (600 μV/m)
Signal to noise ratio (30% mod. 1 mV input) .....	50 dB

#### GENERAL

Power consumption .....	250 W
AC outlet	
SWITCHED .....	(total 90 W max.)
Dimensions .....	W : 440 mm
	H : 144 mm
	D : 399 mm
Weight .....	8.5 kg

#### VIDEO section

VIDEO inputs / outputs	
VIDEO (composite) .....	1 Vp-p / 75 Ω
S VIDEO inputs / outputs	
S VIDEO (luminance signal) .....	1 Vp-p / 75 Ω
S VIDEO (chrominance signal) .....	0.286 Vp-p / 75 Ω

#### FM tuner section

Tuning frequency range .....	87.5 MHz ~ 108.0 MHz
Usable sensitivity (MONO) .....	1.6 μV (75 Ω)/ 15.2 dBf (75 kHz DEV., SINAD 30 dB)
50dB quieting sensitivity	
STEREO .....	28 μV (75 Ω)/ 40.2 dBf
Total harmonic distortion (1 kHz)	
MONO .....	0.5% (65 dBf input)
STEREO .....	0.7% (65 dBf input)
Signal to noise ratio (1 kHz, 75 kHz DEV.)	
MONO .....	75 dB (65 dBf input)
STEREO .....	68 dB (65 dBf input)
Stereo separation (1 kHz) .....	40 dB
Selectivity (±400 kHz) .....	50 dB
Frequency response .....	(30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

#### AM tuner section

Tuning frequency range	
9 kHz step .....	531 kHz ~ 1,602 kHz
10 kHz step .....	530 kHz ~ 1,610 kHz
Usable sensitivity (30% mod., S/N 20dB) .....	16 μV / (600 μV/m)
Signal to noise ratio (30% mod. 1 mV input) .....	50 dB

#### GENERAL

Power consumption .....	270 W
AC outlet	
SWITCHED .....	(total 90 W, 1.25A max.)
Dimensions .....	W : 440 mm (17-5/16")
	H : 144 mm (5-11/16")
	D : 399 mm (15-11/16")
Weight (Net) .....	9.3 kg (20.50 lb)

#### Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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